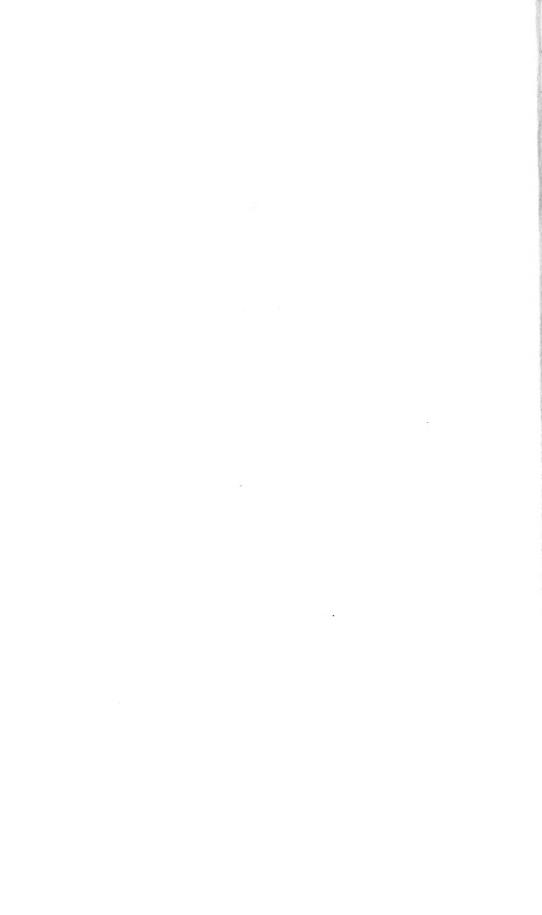


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NEW ENGLAND FARMER;

A MONTHLY JOURNAL.

DEVOTED TO

AGRICULTURE, HORTICULTURE,

AND THEIR KINDRED

ARTS AND SCIENCES:

EMBELLISHED AND ILLUSTRATED WITH NUMEROUS BEAUTIFUL ENGRAVINGS.

"Agriculture, like the leader of Israel, strikes the rock; the waters flow, and the famished people are satisfied."

SIMON BROWN, EDITOR.

FREDERICK HOLBROOK AND HENRY F. FRENCH, ASSOCIATE EDITORS.

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JOEL NOURSE, PROPRIETOR OFFICE ... QUINCY HALL.

SIMON BROWN, EDITOR.

FRED'K HOLBROOK, ASSOCIATE HENRY F. FRENCH, }

CALENDAR FOR JANUARY.

"Great things doeth He which we cannot comprehend; for He saith to the snow, be thou on the earth." "By His commundment He maketh the snow to fall apace;

as birds flying He scettereth the snow; and the falling down thereof is as the lighting of grasshoppers; the eye marveleth at the beauty of the whiteness thereof; and the heart is astonished at the raining of it."



ANUARY,-t'ie month of con-

for fresh exertion in the performance of our jour- crowded and artificial life. ney. The man who does not at least propose to The country, it is true, has changed—the fields himself to be better this year than he was the last, are "brown and sere," the singing birds are gone, must be either very good or very bad indeed! the earth is hard and unyielding, and the trees And only to propose to be better, is something; are leasless and bare. But all these changes reif nothing else, it is an acknowedgment of our veal new beauties,-the thick leaves had long need to be so, -- which is the first step toward concealed the bloom-buds of the fruit trees which amendment. But in fact, to propose to oneself now stand out upon the otherwise bare branches, to do well, is in some sort to do well, positively; and, "dressed in their wind-and-water-proof for there is no such thing as a stationary point in coats, brave the utmost severity of the season." human endeavors; he who is not worse to-day The leaves, having performed their office for than he was yesterday, is better; and he who is the season, now fall to the ground, there to supnot better, is worse. Let us, then, from this ply nourishment for future crops. But there is stand-point, look back and note the errors of the one left, which neither frost, ner winds, nor past, so as to shun them in the future, and make beating rains have parted from its stem :its excellencies the starting-place of more signal virtues throughout this new period of revolving

Some persons sigh for "city life" in the wined to make the country what it should be in win-keen frosts, in order to throw up its compact sur-

the city itself was there. Did hearts ever beat with keener enjoyment, or swain ever "trip through the mazy dance," with more appropriate delight than in the presence of that refined and intellectual assemblage? And as to theatres, stars of the first magnitude may well envy the beauty and brilliancy of the women, or the wit gratulations and good wish-and heroism of the men, who occasionally "bring es, as well as of new hopes, down the house" in thunders of applause in the new promises and determi-Old Academy Halls. Bare walls, smutty roofs nations. Everyfirst of Jan-and dirty streets, bound the vision in the city, uary that we arrive at, is an while squalid wretchedness, crime and destituimaginary mile-stone on the tion are ghastly objects in the fore-ground. Cities turnpike track of human we must have, but they are necessary evils; let life; at once a resting-place us not forget the advantages of our own positions, for thought and meditation, and a starting-point in longing for the unsatisfying attractions of

"The one red leaf, the last of its clan, That dances as often as dance it can; Hanging so light and hanging so high, On the topmost twig that looks up at the sky,"

ter--"the country is so barren and dull,-there was influenced by, and did influence, the lowest are no theatres or balls to attend, and no notabili-root which pierces the humid soil. The earth, ties to lecture." Ah, then they have not assist-hard and rugged as it now is, is treasuring the ter. Are there more intelligent or more brilliant face into light and porous forms when vernal sums assembles under any gas lights in the city than invite the sower again to seatter his seeds. Now gathered at the Town Hall last night! Indeed, the processes of nature for the renewal of her

gifts may be more aptly observed than at any oth-|specific duties of the farmer in the winter months.

him, or her, who has no habits of observation; the family, his first important duties are the prowho will not mark the soft-falling snow, or see it per shelter and feeding of his stock. It is of little on the north-wind curling over the hills and consequence to secure bountiful crops if they are walls, or about the trunks of trees, assuming distributed in a careless and slovenly manner in fantastic forms, and filling the waste with imag- the winter. Those who have a supply of roots inary grottoes, churches and castles. To such, books have small attraction, and the country little but cnnui or disgust. The poet tells us of a man to whom

> "The primrose on the river's brim A yellow primrose was to him, And it was nothing more."

Few, we trust, are so indifferent to the teachings of nature, or forget this bountiful source of enjoyment,

> "Where living things, and things inanimate, Do speak at Heaven's command, to eye and ear, And speak to social reason's inner sense, With inarticulate language."

We cannot refrain from urging again upon all, the importance of a proper appropriation of the Some—we know them leisure winter hours. well-who are young, healthy, with good natural abilities, and full of ambition in their daily wishes you A HAPPY NEW YEAR. routine of physical labor, are yet sadly deficient in those mental acquirements, without which, no one in this country may reasonably aspire to more than mere drudgery. Homely as the adage is, we urge it now-"it is never too late to learn." There are now persons in the Congress of the United States, on the Bench, and others who These are the Holcus saccharatus, or North China have secured wealth and distinction, who could sugar-cane, and the Dioscorca japonica, (Japanese not read or write at the age of twenty-one! fred the Great was twelve years of age before he could read. If his history is not familiar to you, young man and woman, there remains to you a treat more instructive and gratifying than can be found in most physical sources of enjoyment. He always carried a book in his bosom, and amidst 10 to 13 per cent. of pure sugar. The juice from the great business and hurries of government, snatched moments of leisure to read. He became the great legislator and pre-eminent patriot-king sheep. The holeus, in its green state, is a rapid of England. Most of our towns possess good libraries, and the sources of reading and learning are accessible to all. Seek, in the mean time, to understand and apply scientific knowledge to the business of your profession, whatever it may be. remembering that its true end is to enrich human is easily propagated by cuttings of its long vines, life with useful arts and inventions.

Winter Schools.—These should receive your careful consideration-make them the best of their kind. Assist and encourage the teacher; his task is one of trial, and often of great vexation, from the injudicious interference of parents in the regulation and discipline of the school. To secure success, there must be order in every business, but it is indispensable in schools.

We have often set before the reader most of the something.

and need not now to repeat them. After secur-But the country will ever be barren and dull to ing the comforts and means of improvement for will find the following to be a profitable mode of feeding. Cut hay, straw, eorn stalks or husks, and throw it into the feed trough; then add such quantity of clean roots as you desire to feed to a given number of cattle and cut them with the hay. This process, though a little difficult, gives the dry fodder the taste of the roots, so that the whole will be eaten with a high relish. But cleanliness, good bedding, gentle treatment, and kind care every way, will save hay and grain and take the stock through in good condition.

But we have said enough in this our first salutation of the year. That we may ramble along in pleasant paths together, plucking the fruits and flowers that present themselves on the way, and treasuring up that wisdom which is better than rubies, is the sincere desire of him who now

For the New England Farmer.

NEW PLANTS.

Of the new plants recently introduced from Eastern Asia, there are two that promise to be of considerable value to the agricultural world.

The fruit is a sort of broom corn, producing a kind of sugar-cane, whose stalks attain seven and eight feet in height. The experiments of Mons. Louis Vilmorin and other French chemists, show that the stalks produced on one aere will yield 26,000 lbs. of very sweet juice, containing from canes raised the past season, near Paris, has produced 52 to 78 per 1,000 of pure alcohol. The residue of the canes can be fed to cattle and grower, and valuable to be raised as a crop for soiling, to be cultivated in the same manner as Indian corn.

The Japanese yam is beginning to be cultivated in France as a substitute for the diseased potato. It is largely grown in China, is very hardy, and and by its roots, which are, lik those of the potato, of annual growth. The ross are large and long, the flesh very mealy and devoid of any peculiar taste or flavor. The Japanese yam is pronounced, by eminent French agriculturists, a most valuable acquisition.

There is no greater obstacle in the way of success in life, than trusting for something to turn up, instead of going to work and turning up

For the New England Farmer.

THE CONCORD GRAPE.

the grape, or for a seedling of three years old.

I think Mr. Bull's grape is a good variety; but much desire. his price is not for a moment to be tolerated; a piece, amount to many thousand dollars, and they have got the true vine. their actual cost to those concerned in the speculation is not five hundred dollars. The seeds are propagate the Concord as fast as possible, and not on sale, and cannot be had at the horticul-

While on this subject, I wish to notice another speculation of the same kind that is carried on by an individual in New York city. A Mr. Lawton advertises that he has an improved variety of the Blackberry—has three acres under cultivation bear bountifully from four to six weeks-shoots spring up from the main stock, hear well and die in the fall. Mr. Lawton sells his packages of one dozen each for \$10. This is one of the Blackberry speculations, and will probably entitle Mr. Lawton to an honorary degree in the Horticultural Society.

The above remarks are somewhat severe, but not uncalled for. If they will elicit further information on this and other subjects immediately connected, the desire of the writer will be accomplished. John Wilcox.

Newport, N. H., Nov., 1854.

Remarks.—Mr. Bull is a townsman and neighbor of ours, and we believe an honest man. Believing him able to set himself right in this matter, we handed him the letter of our correspondent, and he has communicated to us the following in reply:-

Concord, Nov. 30, 1854.

Mr. Brown:—Your correspondent, John Will-THE CONCORD GRAPE.

One of thinks the "Concord grape" has become a matter of speculation. When you publish his notices in the Farmer of a new variety of GRAPE, communication, I would feel obliged to you if you cultivated by Mr. Bull, of Concord, Mass. It is would state, in your own way, the facts of the said to be a native of that town, and is highly case; that is to say, that I have been engaged for recommended on account of its fruitfulness, good twelve years in raising seedling grapes, during flavor, and its adaptation to a northern climate. which time I have spared no pains in collecting If it answers, in many respects, what it is recom- every variety of native grape that had a local mended to be, it ought to be very generally in- fame -many of which cost me large sums, and all troduced, and enlitivated in every latitude where of which, I may add, came to the fire at last as other varieties of the grape will not grow on account of the climate. It is, however, put beyond the reach of common persons, at present, unless prove to be good, and of which I have burned they will pay an exorbitant price for a cutting of cords. My sole purpose during this time has been to obtain a good table and wine grape for Hovey & Co., of Boston, with an understand- New England, which should be early, hardy and ing, probably, with Mr. Bull, have the control prolific. Having succeeded in this, my next pur-of the grape, and charge five dollars for a single pose has been to propagate it as rapidly as pos-cutting or seedling. From this charge, it apsible, with a view to dissemination, and also to pears that the Concord grape vine has become a bring the price within the means of all desiring matter of great speculation between two or more to purchase. Thousands of young vines were individuals. This kind of speculation ought to destroyed by the fervent sun of July 4 and 5 last, be frowned upon by the press, especially the ag-leaving me less than enough to supply my orders, ricultural press. It is true, no individuals are and thus frustrating my purpose for this autumn: obliged to bay of these men; but, if the grape is but I hope to have a good supply ready for the so valuable as they and the press have recom-spring planting, having, at great expense, put up mended it, common people have an anxiety to a large forcing-house for propagating them; this obtain it by paying a fair compensation for it. will enable me to reduce the price, which I very

There is no monopoly of sale. To prevent the and the press which tolerates such extortion and sale of spurious vines, it was necessary to issue speculation, does no good service to community, the grape to the public through a respectable and either in an agricultural or moral point of view. responsible house. Messrs. Hover & Co. were We do not say this speculation is tolerated by chosen for this purpose, and their well-established the press, especially the agricultural press. Of character was a sufficient guarantee to all purthe grapes alluded to, there are three or four chasers; whoever purchased the Concord of them, thousand seedlings for sale. These, at five dollars Messrs. Breck & Son, or of myself, may be sure

In conclusion, I assure the public that I shall shall reduce the price as soon as the supply can tural seed store at Boston, and every man of be made to bear a better proportion to the de-common sense knows the reason.

| Description of the de-common sense knows the reason. | Description of the de-common sense knows the reason. | Description of the de-common sense knows the reason. | Description of the de-common sense knows the reason. | Description of the de-common sense knows the reason. | Description of the de-common sense knows the reason. | Description of the de-common sense knows the reason. | Description of the de-common sense knows the reason. | Description of the de-common sense knows the reason. | Description of the de-tense of the de-tense of the de-

> We know little of Mr. Lawton's operations with the blackberry, but presume he will be able to justify all his movements. At any rate, our columns are open for any fair statement from

FALL PLOWING.

Friend Hildreth.—Dear Sir:—At a meeting of the Hillsboro Agricultural Society, held at Nashua, Sept. 9th, the subject of fall plowing was pretty thoroughly discussed, and in an account of that meeting, publication in the Cranite Farmer of Sept. 30, some things that I did not say are attributed to me, and many things that I did say were left out.

I am in favor of fall plowing for certain kind of land, especially all gardens, aurseries, and almost any land that is weedy, and would need plowing three times before planting, and I would plow deep, whether in fall or spring, and not shallow, as I was reported to have said. I stated at the above named meeting, that tough sods, that were laid up loose, and exposed to the weather all winter, would decay sooner than those that

were turned in a flat furrow, and not exposed. Among the reasons given in favor of fall plowing were the following, viz., that it was the very best way to destroy the cut-worm, especially if done late,—that weeds, potato vines, leaves &c., would be rotten, and out of the way in spring, and that unripe seeds would be destroyed, and the seeds of some weeds would germinate so late as to do no harm.

The principal objection to fall plowing is that the land is more liable to wash and blow away

than if not plowed.

The cold of last Sunday and Monday morning, was more severe here than I ever knew before at this season, being at 9 degrees above 0, from 4 o'clock to a past 7, on Monday, and apples, cabbages, turnips, squashes, celery,&c., were injured in many instances.

Yours, &c., Pelham, Nov. 4, 1854.

B. F. CUTTER. Granite Farmer.

TO ASCERTAIN THE WEIGHT OF LIVE STOCK.

First, see that the animal stands square, then, with a string, take his circumference just behind the shoulder-blade, and measure the feet and inches-this is the girth. Then measure from the bone of the tail which plumbs the line with the hinder part of the Buttock, and direct the string along the back to the forepart of the shoulder-blade, and this will be the length. Then, work the figures thus:—Suppose girth of bullock 6 feet 4 inches, length 5 feet 3 inches, which multiplied together makes 33 square superficial feet; and these, multiplied by 23—the number of pounds allowed for each superficial foot of cattle measuring less than seven and more than five feet in girth-make 759 lbs. When the animal measures less than nine and more than seven feet in girth, 31 is the number of pounds to be estimated for each superficial foot. And suppose a small animal to measure two feet in girth and two fact in length; these multiplied together make 4 fact, which, multiplied by eleven—the number of pounds allowed for each square foot when eattle measure less than three feet in girth—make 44 lbs

Again, suppose a calf or sheep, &c., to measure 4 feet 6 inches in girth, and 3 feet 9 inches in length, that multiplied together, makes 16 square length, that multiplied together, makes 16 square afflictions, who have grounds infested with this feet, and these multiplied by 19, the number of abominable scourge. The old saw that the only pounds allowed for cattle measuring less than five and more than 3 feet in girth, make 256 lbs. The dimension in girth and length of the back of cattle, sheep, ealves and hogs, taken this way, are as exact as is at all necessary for common computation or valuation of stock, and will answer to the four quarters of the animal, sinking the offal. A deduction must be made for animals half fat, of one pound in twenty from those that are fat; and for a cow that has had calves, one pound must be allowed, in addition to the one for not being fat, upon every twenty.

Good Fruit.—The Wisconsin Farmer says :-"Wisconsin can produce as good fruit as any other State in the Union." Well, let us see you do it.

THE VOICE OF AUTUMN.

BY W. C. BEYANT.

There comes from yonder height A soft, repining sound, Where forest leaves are bright, And fall like flakes of light To the ground.

It is the autumn breeze, That, lightly floating on, Just skims the weedy leas, Just stirs the glowing trees, And is gone.

He means by sedgy brook, And visits, with a sigh, The last pale flowers that look, From out their sunny nook, At the sky.

O'er shouting children flies That light October wind ; And, kissing cheeks and . yes, He leaves their merry cries Far behind;

And wanders on to make That soft, uneasy sound, By distant wood and lake, Where distant fountains break From the ground.

No bower where maidens dwell Can win a moment's stay; Nor fair, untrodden dell; He sweeps the upland swell, And away!

Mourn'st thou thy homeless state, O, soft, repining wind ! That early seek'st, and late, The rest it is thy fate Not to find !

Not on the mountain's breast, Not on the ocean's shore, In all the East and West :-The wind that stops to rest Is no more.

By valleys, woods and springs, No wonder thou shouldst grieve For all the glorious things Thou touchest with thy wings And must leave.

PIPER, OR WITCH GRASS.

Farmers and gardners need a large stock of the article, which made Job so contented under his way to kill it was to "dry it, and then put it into your pipe and smoke it, and be careful of the ashes," only shows the trouble connected with its extermination. I recollect shaking out a handful and laying it up to take the air upon a stick of old timber. A few weeks afterwards I found, to my astonishment, a thrifty bunch of grass, the roots had penetrated the spongy stick, and were very far from discouraged.

All those who have had "their hands in the

dirt," are familiar with the hard, wiry extremities of piper roots. They will not turn out of their course for a potato, or a chip, but are often

found grown through them.

Piper grass will spread like an epidemic. Some farmers let the grass stand where it is in a hayfield until the seed is ripened, and so spread oceans of it. Sometimes soil from the wayside is prevent the mice establishing very pleasant wincarted to the barn yard containing the mischiev-ter quarters. ous article. Don't you think that the stamping of the cattle or the composting will kill it, or render it harmless 1 Just give it a fair chance in your fields and you will see something green, if such has been your management.

I have spent a good many dollars to keep the upper hands of my piper grass. I have hired land dug all over with a ten-tined fork, but then cester County. The character, long experience it would be left so mellow and fine that the few and accurate observation of the writer of these reremaining bits would take courage and give me marks, entitle whatever he may say upon the

ence in a few days.

soil. You may get along with corn and potatoes farmer. by great care, but any weaker plants are too easily overpowered. I have found a great sav-remarks, and any others which may follow them ing in the culture of such land, to plant as late at a future time and be worthy of notice, and as it would do, so that the corn might get up as oblige, soon as the witch grass, if not a little before. If you plant early in May, during the cold days that may follow, the grass will be pushing up, while the seed sown will remain inactive. It is their rapid germination.

with the new cultivator, and by going close to part of the time. Then what has become of their the corn I leave very little land to be hoed over breakfast? It remains in the animal, undergoing I suppose some may not understand to what culcost many times in two summers, and added to swallowed, 'goes directly into the third stomach.' disturbing the piper roots, a good portion of amined the inside of an animal, could ever have which it brings to the surface. I can unsolicited come to such a conclusion. The assertion betrays say, that this implement cannot be used and pitch the ignorance of its author." per grass flourish on the same piece of land, the same summer. It is the only practical approach to the "piper" aforesaid, with which I am ac-

quainted.

I suggest then, for piper grass lands intended for tillage—to plow deep at the last moment with the cultivator to which I have alluded.

The litter should all be removed in the fall to practical utility to any farmer. Price 50 cents.

Concord, Mass., March 18, 1852.

For the New England Farmer.

RUMINATING ANIMALS.

the most unquestionable evidence of their exist-structure and habits of animals, or the culture of the soil, to respectful consideration; and such It won't pay to plant small seeds in this foul consideration will often prove an advantage to the

> Will you please to insert in your paper, these Yours respectfully,

A CONSTANT READER OF THE FARMER. Medfield, Nov. 24, 1854.

"Some years ago, I saw in print this assertion: better, therefore, to plant later, so that the - all ruminating animals bring up and remastiweather will encourage for the corn a growth as cate all their food, and when it is swallowed, it rapid as possible. A laborious hoeing may thus goes directly into the third stomach.' To this asbe saved. And when you consider how constantsertion there are several objections. There can
ly the soil, mellowed by the plow before plantbe no such thing as bringing up and remasticating, is settling down, compact and solid, it may ing their food by these animals. Examine the be questioned if the advantages claimed for early paunel, or, in modern expression, the first stom-planting counterbalance those in favor of deposit-ach, and you will find there a mixed mass, such ing the seed upon the warm furrows, recently as no animal would have in its mouth if it could turned, after the season has become favorable for be avoided, and it cannot be separated. Besides, if the assertion were true, the animal must keep The quicker you can get your corn to shade his jaws in motion all the time. This is never your land, the less expense for hocing. I, there-seen to be done. Feed a pair of oxen in the mornfore, plant the hills, (and yet I never make hills) inguntil they are full; put them to work and two and a half feet one way and four feet the keep them steadily working, and it will be found other. Thus I am able to drive the horse through that they have chewed the cud but a very small

tivator I refer. It is one that has saved me its Again, it is said, food, when remasticated and the crops raised by the deep tillage it gives. It This is impossible, because there is but one pashas three teeth, which look like iron duck's-feet, sage from the throat to the stomach, and to go at the bottom of three legs about fifteen inches directly into the third stomach, it would need anlong. It seldom clogs and runs deep and through other passage. I presume no such passage has the ground, leaving it very light, and effectually ever been discovered; and no man, who has ex-

THE ILLUSTRATED ANNUAL,

REGISTER OF RURAL AFFAIRS AND CULTIVATOR ALMANAC FOR 1855.

This is the title of an Annual, published at plant always late-manure broadcast liberally, Albany, N. Y., by LUTHER TUCKER, Esq., Editor and in the hill moderately—and, after perhaps once plowing between the corn, comb the land of the Cultivator and Country & Internal Country of Alleman. A part of the title-page states that the work con-Piper grass around fruit trees may be kept tains brief and practical suggestions for the condown in this way. Take some old hay, or litter sideration of the farmer and horticulturist, and of any kind, and cover the ground under the embellished with one hundred and twenty enlished. limbs. Lay sticks upon it—boards are better—to keep it from blowing away. This is everything cheaper than the digging necessary to keep the trees in order where the ground is exposed. This book is one of convenience, and will prove of the little reliability of the little reliability of the little reliability of the little reliability.

SHEEP AND WOOL.

The annoxed table, showing the number of sheep and rounds of wool produced in each of the States and Territories of the Union, according to the Census of 1850, has been published in many of the papers. We have added, in another column at the right hand, the average yield of a sheep in each State, in pounds and hundredths:

States.	Sheep.	Lbs. Wool.	Av.
Maine	440,943	1,362,986	3,09
New Hampshire		1,108,476	2,88
Vermont		3,410,993	3,70
Massachusetts		585,136	3,10
Rhode Island		129,692	2,92
Connecticut		497,454	2,85
New York		10,070,301	2,91
New Jersey		375,396	2,33
Pennsylvania		4,451,570	2,45
Delaware		57,768	2,10
Maryland		480,226	2,69
District of Columbia		525	2,82
Virginia		2,860,765	2,18
North Carolina		970,738	1,63
South Carolina	251,754	457,223	1,76
Georgia	560,435	990,019	1,76
Florida		23,247	0,99
Alabama		657,118	1,76
Mississippi		559,619	1.83
Louisiana		109,897	0,99
Texas	90,098	131.374	1,45
Arkansas	91,256	182,595	2,00
Tennessee	: 811,587	1,364,378	1,68
Kentucky	1,070,303	2.283,685	2,13
Ohio	3,937,086	10,111,288	2.56
Michigan	746,435	2,043,283	2,73
Indiana	1,122,493	2,610.287	2,32
Illinois		$2,\!150,\!113$	2,53
Missouri	756,309	1,615,860	2,28
1owa		373,898	2,49
Wisconsin		253,963	1,03
California		5,520	0,31
Minnesota Territory	80	85	1,06
Oregon Territory	15,382	29,686	1,27
Utah Territory		9,222	2.82
New Mexico	377,271	32,901	0,08
	01.511.003	# 2 4 # # 20 F	
	21,571,306	$52,\!417,\!287$	2,42

52 per cent. heavier than the average of the whole need be scared by it. United States. The profit of wool-growing, com-pared with lighter fleeces of equal fineness, is lived with them, and lived under them, and never

about in the same proportion; for the rearing and support of a poor sheep is as costly as of a good one. But besides this, the fleeces are much finer than the average of the whole country, and bring a higher price per pound. It is plain, therefore, why the Vermont farmers go into the business so much more generally and extensively than those of any other State. It is plain, too, what farmers of other States must do, if they would reap the same profits from this business.

There are towns in New Hampshire, where sheep of the same breeds yield the same profits; and so in some other States. It is probable, however, that in this staple the Northern States will always retain some advantage over the Southern, and the mountains over the plains.—Traveller.

For the New England Farmer.

A MEDLEY.

Mr. Editor:—I do not often turn aside to notice articles by correspondents for your paper, believing that it is better, in most cases, to let every writer have his "say" in his own way. But in looking over the article of "A Reader, in the Farmer of November 18th, I think that some "ideas" offered on the "articles," or some of them, need a little explanation. On the article of "Some Wants wanted by Farmers," says, "A pretty good article on a capital subject. Want of means, want of knowledge, want of interest, love of business is discussed. To raise the terest, love of business is discussed. To raise the 'means,' a mortgage is suggested. Mortgages— I have learned by experience to shudder at the mention of that word. How they sweep the board to pay the 'interest annually,' and still hang over the old homestead generation after generation-a smothering 'nightmare' on enter-It appears that the average is higher, by six- prise, ambition and hope." Now what I said in tenths of a pound, in Vermont, than in any oth-a former article on this point, in substance, was er State. Massachusetts comes next, and then Maine. These are the only States where it ex-ceeds three pounds. In New Mexico and Cali-ital in land, let him save part of it to lay out in formia, probably, the sheep are raised for mutton and farm buildings and other improvements, of course poultry, and few of them are sheared; for though owning less land, and having more ready money we find a very regular diminution in the weight to improve what he has got. But, as is now often of fleeces as we proceed southward, it is not the case in New England, when the farmer occueredible that fleeces actually sheared should av-erage only about five ounces in California, and ready capital is wanted, and it cannot readily be only about an ounce and a quarter in New Mexi-obtained, put a mortgage on a few acres of land, and raise the money in that way. For it is better The weight of fleeces in Vermont is not owing to pay interest money for a few years, than to go wholly to the latitude or temperature; for if it without the means to invest in farming improve-were, New Hampshire and Maine ought to yield heavier fleeces still. It is doubtless, in part, caus-ed by the quality of the pasturage, air and water to be done in extreme cases of necessity. If the of the Green Mountain range; an advantage in farmer has a surplus of land, and can "sell" a which Massachusetts partakes. Another, and a few acres, then do so, by all means, and raise the principle cause is, the superiority of the breeds raised there. Almost all the sheep there are descended from breeds carefully selected from the wants to "sell" and none wish to buy, the case best flocks in Spain; and it has been long since becomes almost a "desperate" one. Then, I say, ascertained that, with decent treatment, they do not deteriorate in Vermont. Not improbably, if the farm is not already covered with mortgages most parts of the Alleghany range may be found for old debts,) and raise the means for future imnearly or quite as well adapted to the same breeds. provements. I think that "A Reader" on mort-The fleeces in Vermont are very nearly 20 per gages makes an uncommon great "bugbear" out cent. heavier than those in any other State, and of very small materials, so, in reality, no one

have yet had a turn of the "nightmare," and do not intend to hereafter. Of course, every farmer can understand the difference between having ready money and not having it; and I presume that "A Reader," with the rest of us, would understand the "difference" between having a few acres of our land mortgaged for money borrowed, instead of having a mortgage of a few acres in our pockets; it would make all the "difference" in the world with me. What I meant to show by the mortgage plan was, that where the farmer had bought a worn-out farm, and money was the fair thing, for in that ease any writer's ideas the fair thing, for in that ease any writer's ideas. "sale" alone, the mortgage plan must be re-there may be no such intention on the part of the sorted to. The farmer must see that he cannot critic. afford to let his land lie unimproved, and that money should be had; there should be no if nor and about it; for where there is a will to do there can be a way provided. If this be the case, then I am, for one, ready to stand and abide the issue.

giving any credit at all to 'shade.' Though I kind, which almost beggars description. was covered with brush two feet deep for three or been scorehed by fire. four years, might be improved by the partial de-

laying upon the ground for a year or two, the Our farmers, however, either from faithlessness soil under the pile would be greatly improved by in the prescribed remedies, or shrinking from the it. I do not stop to say whether this is done by decomposition, gases, or anti-gases; I only say that such is the fact, as every observing farmer lected what they must now be satisfied would have I again may be right.

A word or two more and I am done. As "A

have yet had a turn of the "nightmare," and do mentator," we suggest that he would give enough had bought a worn-out farm, and money was the fair thing, for in that case any writer's ideas wanted and could not be obtained readily by a might be made to appear "ridiculous," although Yours truly,

Derby, Ct., Nov., 1854.

CANKER WORMS.

A good opportunity is now presented, in our "Improving soils by shade!" On this article immediate vicinity, of removing any doubts which "A Reader" says:—"On this theory, cellar may still be entertained as to the habits of the bottoms ought to become rich, and apple tree canker worm, that most destructive of all the inroots in grass land ought to grow all the better seets which infest our orehards and shade trees. for enjoying a shaded soil. Land covered for four The manner in which they possess themselves of years with brush two feet deep, especially such as what they devour with such voracious certainty, would decay in half that time, or even land on and the efficacy of the process of preventing their which flax is spread merely to rot, might be im-proved thereby from the deposit of vegetable clearly seen in some of the orchards in Brookline, matter, and the disengagement of gases conse-where the work is now going on. Our attention quent upon even partial decomposition, without was called, a few mornings ago, to a scene of this have little faith that shade will ever be lugged up ground around the trunks of the trees, within a and sold at 'fifty dollars a ton' as a fertilizer,' eirele of two or three feet in diameter, was literal&c. Very well: now I ask "A Reader," with the readers of the Farmer, to turn to the weekly vain struggle to overcome the tarred barrier by Farmer of Sept. 30, or the monthly Farmer for which the trees were surrounded. Millions of the November 2, and give my article a fair reading spoilers were writhing in the agonies of despair on "Shade," read your own "comments," and death. The mass of the invading army were then say if you think it a just and fair "criti- wingless females, who can only ascend by creep-cism." What I meant to show was, that "waste ing up the trunk. Here and there a flying male lands" could be improved in the shortest manner was eaught in the meshes set for his more helpless by growing trees, and that there was a principle companions. The trees of this orehard, and ininvolved by growing trees, which rendered the deed of a wide belt of country running through soil more or less productive. Has "A Reader" Cambridge and Brookline, including many noble proved, or attempted to prove, any thing to the elms and other shade trees, were last summer and contrary? He has simply glided over it by say-the summer previous, completely stripped of their ing, if shade improves soils, then "cellar bot-toms" ought to grow rich, and that land that duced to withered shreds, looking as if they had

These destructive insects have been fully decomposition of the brush and the retention of scribed, and the remedies against their ravages gases, giving the "shade theory" the go by, pointed out by Prof. Peck, in the papers of the which is all very well.

Massachusetts Agricultural Society, and by Dr. What I stated in my article on "shade," &c., Harris, in a treatise on insects injurious to vegewas, in substance, that a pile of rails or boards, tation, published by order of our Legislature. knows. Has "A Reader" offered, or proved any been a wise and perhaps wholly effectual precauthing to the contrary? My own idea is, that the ion. A single orehard in this vicinity, which ingreatest amount of improvement to the soil under good seasons has produced from a thousand to fifa pile of brush, boards, or rails, comes from pro-teen hundred barrels of the best apples, has for tection to the soil from hot suns and washing two or three years past been reduced, by these rains. I may, however, be all wrong in this, or merciless marauders, to a perfectly barren wilder-

The canker-worms complete their devastation Reader" has the does not see fit to give us his about the middle of June, when they descend and name,) taken the responsible position of "com-burrow in the earth to the depth of from three to

every month from October to March. The occur-improvement on it until 1849 or '50, and now for rence of mild weather after a severe frost, like the result of the past dry season: that which has just been experienced, stimulates some of them to burst their chrysalis skins and come forth to commence their instinctive preparations for another summer's campaign. They come out of the ground chiefly in the night. The males, it is said, are more abundant in the spring. The sluggish females make their way to the nearest tree, followed by the winged and active males, who flutter about and accompany them in their ascent, during which the insects pair. Soon after this the females lay their eggs upon the branches of the trees, placing them on their ends, close together in rows, forming clusters perhaps of a hundred eggs, which is the number usually when about four weeks old, by which time they injure the other-at least they all did well. have generally made clean work of the luxurious feast which nature, through the farmer's neglect. farmer to do the like out of nothing, I have my has provided for them.

The methods for preventing the ravages of the canker-worm, which have been tried and found more or less efficacious, are: to apply tar or oil around the body of the tree, either directly upon the bark or over a belt of clay mortar, or on a strip of canvass or strong paper; to nail boards together around the base of the tree, smearing them out-side with tar: to place circular troughs of tin around the tree, filled with tar or fish oil, or a belt of cloth smeared with melted India rubber, &c. Either of these remedies is attended with considerable trouble, for the tar or whatever is applied to arrest the progress of the insects, must be renewed and kept fresh as long as they continue to rise. Sprinkling the trees to destroy the worms when first hatched, has been practised with some success; but this method is troublesome, expensive, and uncertain. It has also been recommended to dig around the trees after the worms have descended to the ground, and remove the soil. But the application of tar is probably the most economical and efficacious mode of waging war upon this annoying enemy.—Traveller.

For the New England Farmer.

A TWO-ACRE FARM.

Mr. Editor:—The article recently in the Farmer, giving an account of a "one acre farm, has led me to think I might possibly make a statement of facts that would be valuable, and I forward the same to you, hoping you will use it just as it deserves.

session of a two-acre farm, and at that time it above the ground; the roots do not sprout, and was barely possible to get one ton of hay from the the stumps are more easily removed.

six inches, and unlergo their transformation into whole of it, such was the state of cultivation it chrysalids. It has been generally supposed that was in. It was all in mowing at the time, exthey come out of the ground only in the spring; cept one-eighth of an acre that I sowed oats on, but it is now known that they begin to make their and they were so small that a good stout grass-appearance in the autumn; and in mild winters hopper could cat the heads off by standing tiptoe, they continue to emerge from their cells during Circumstances prevented me from making much

Perhaps some may think it is impossible to have laid by each female. The eggs are glued to each so much on so small a surface. I would just say other and to the bark by a sort of varnish, which is that my beans and carrots grew amongst the nurimpervious to water. Having thus provided for a succession of their devastating reign, they languish and die. The eggs are hatched in May, good crop of green peas, potatoes and turnips: about the time that the leaves of the apple tree the peas were planted in the hills with the potabegin to start from the bud, and the worms gath- toes, and the turnips set both ways between the er upon the tender leaves and live and grow up hills, getting three good crops on the same land on the growing foliage. They leave off eating in the same season, and neither crop appeared to

Now if this will stimulate any other two-acre reward. Truly yours,

Nov. 13, 1854.

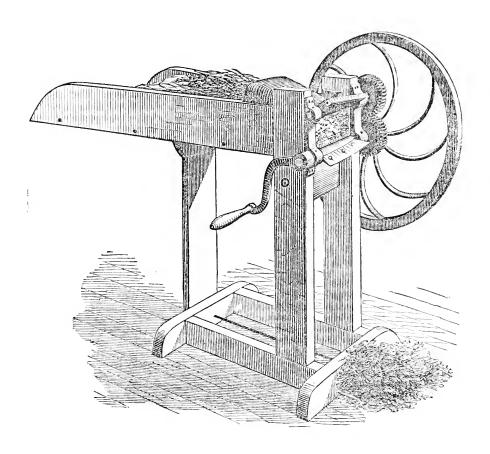
WINTERING CABBAGE PLANTS.—Any method simple and inexpensive, for preserving of autumn sown cabbage plants through the winter, is a valnable consideration. We know of none better adopted for the great bulk of people, than the following, practiced to a considerable extent by market gardeners, and in dry, sandy or upland soil, with good success.

Towards the end of October, prepare some rich well-dug ground; drew some deep drills eighteen inches apart, and plant the cabbage one foot apart in these, on the sunny side of the drills, so that the plants may have all the benefit of the sun in the fall before severe frost, and in early spring. When the frost sets in fairly, place some straw, or other light material crossways of the rows, which will effectually keep the sun's rays off during winter, which is the great point to be attended to. At the approach of spring, remove the covering, and as the plants grow, draw a little of the soil to their stems.

If they stand the winter well, they will be in advance of those planted in the spring. strongest of the plants from the sowing made last month, should be selected, while those weaker will do to winter as recommended in a previous paper.

—E. S., in Country Gent.

DEADENING TIMBER .- When the bark slips freely in June, July or August, it is the best time to Nine years ago last spring I came into pos-girdle trees. Cut the small growth three feet



GALE'S STRAW CUTTER.

The improvements in agricultural implements -although very great within the last ten or fifteen years-will not exclude still further changes. The inventive genius of our people will not be idle, so long as the agricultural interest demands more help from the inventor and the mechanic. There are implements still wanted, which would not only save a vast amount of human toil, but pay thousands of times over, in the saving of seeds, or in the aggregate of crops.

Among the recent improvements on a valuable machine, which has been many years in use, is one represented in the cut at the head of this artiele. In order to test its capabilities, we have used it with all sorts of fodder usually found in the barn of the farmer, -- hay, straw, corn stalks and the butts and husks,—and with them all it performs the desired work with great rapidity and ease to the person using it. Combined with these good qualities, it is so simple in its arrangement and construction that the farmer himself either by accident or the natural wear by use.

The machine is for sale at different prices, according to size, at the agricultural warehouse of Nourse & Co., 9 & 13 Commercial Street, Bos-

We again urge upon our friends, those who have but a single horse or cow to winter, the economy of cutting the fodder which they are to consume. Hay is worth \$22 to \$24 per ton in the cities, and from \$16 to \$20 in the country towns, and the crop may be made vastly more serviceable by being cut.

The engraving, and the following description, will give the reader a pretty good idea of the construction of the machine.

On the 12th day of September last, a patent was granted to Mr. Warren Gale, late of Troy, New York, for the improvement in straw cutters represented in the annexed engraving. nature of the invention relates to the knife (or knives) of the cutting cylinder, so that it shall cut against a flange (or flanges) on the opposite cylinder. The frame of the machine is like that of will be able in most cases to repair any injury common straw cutters; the shaft of "the cutting eylinder is driven by a crank handle, and has a

cog wheel on it, gearing into another above, giving motion to the cylinder against which the vania, all the way to Philadelphia, nature and knife cuts the straw. The cutter is attached to a art seemed to have combined to display to the flange by setting screws passing through slots to make it adjustable. The flange projection on the choly into enthusiasm. The little groves, garupper cylinder, is provided with a piece of raw dens, and shade trees, at that season, during the hide, against which the knife cuts, so as to pro- hottest of our summer weather, appeared like the test the edge of the latter. The raw-hide (or the elysian fields of the poets; no aspect could rive of leather) is secured to the flange by set piece of leather) is secured to the flange by set screws, and it can be adjusted, or forced down towards the knife, by a screw passing down through the cactus, attracted numerous visitors, many of the cylinder; a slot is therefore cut in the raw-hide them going away in wonder at the ingenuity, exto allow the fastening screws to pass through, while pense of money and labor bestowed upon it, for the gratification of fancy and to please the eye.

The lf New England farmers had set out shade trees knife in this machine requires only to be adjusted to cut against its opposing projection, or rotating table. As the knife and the projecting piece rotate, they grasp the straw, draw it forward, and cut it through by a pincing cut, when they come opposite one another.

For the New England Farmer.

A JOURNEY, CANKER-WORMS, &c.

In the month of August, 1854, I made an excursion through some of our principal cities to see some friends, as well as wishing to benefit my health by a journey. I made some stay at New York, enjoying the fine scenery in its suburbs more than the din of the city, or the officiousness of its denuded the trees in the groves, and the ornamengreedy cab-drivers. Passing from N. Y., I went tal trees in the streets much in the same manner into New Jersey, where many important events of that the eanker-worms did here in May and June, the Revolution took place. New Jersey is renowned 1853. They commenced their depredations in for her unparalleled sufferings during the Revolution, as well as being the seat of battles where September, when I left, and how much longer I Gen. Washington revived the desponding hopes have not been informed. But, after all, there is of his countrymen by capturing a part of the no place without its disadvantages, though there British army at Trenton. Riding through New may be, without advantages. This Eden about Jersey and some of its principal cities, reminded Philadelphia lacks the fruit trees and fruit, the me of the by-gone days of Washington's army, uncultivated hills covered with forests, the good with their bleeding feet, capturing the Hessians. cold water, and perhaps the exhilerant air, which This State had its share of the drought, it being we have about Boston. Their land is too rich with their bleeding feet, capturing the Hessians. at its height at the time I passed through it,-vegctation seemed in a suffering condition, the corn eity, and therefore they are destitute of that would probably fall short of a full crop. I have rude, enchanting wildness, which is so pleasing an idea that, in this State and Pennsylvania, more corn could be raised upon the acre by substituting a variety which would ear nearer to the ground; the large butt end of the stock from the ground to where the ear forms, some four or more feet, exhausts the land to little profit. Were I a Pennsylvanian, I would select some large eared northern corn that eared nigher the ground, the King Philip variety, for instance, which has produced 100 hushels to the aere, and it would ripen in season on their rich land to give the farmer an opportunity to raise a second crop, on the same land, of turnips, or something else which would grow quick. It strikes me that the stock and the ear of the Virginia corn are entirely out of proportion to be profitable. I have no doubt that our northern corn looks diminutive to a Jersey or Pennsylvania farmer, but still their corn stocks which make such a gigantic appearance may gratify the eye more than enrich the raiser; a kind of corn which would produce larger ears in proportion to the stocks would be an object worthy of consideration and trial.

Passing the Delaware at Trenton into Pennsyltraveller a view, as he went along, of one of the landscape sceneries which would convert melanas though they had been swept and garnished. Copes' garden, with its five hundred varieties of twenty years ago to ornament their door yards, side-walks, and streets, their property at the present day would be estimated at nearly double its present value. It is surprising to see the influence such ornamental and refreshing shade trees have upon the man of property and refined taste, who wishes to purchase a farm, or country residence. It is never too late to do good, and if farmers would now go into the work of setting ont ornamental shade trees as in the suburbs of Philadelphia, or in some parts of our own State, in a short time they would realize ten dollars or more for every day's work.

In the neighborhood, and to what extent from Philadelphia I was not informed, a worm, in its ravages resembling the canker-worm, infested and and valuable to appropriate to forests near the rude, enchanting wildness, which is so pleasing to a lover of natural scenery. Excess of the beautiful is cloying after a while, and even shrub oaks are pleasing for variety's sake. On my return to Boston, the contrast was striking; it seemed like a "city on a hill," the buildings and streets, how airy and clean, and every man in

the streets apparently a gentleman. SILAS BROWN.

Wilmington, November, 1854.

To Prevent Smut in Wheat .- Our neighbor of the California Farmer says he received the recipe below from a practical farmer who had used it for several years, and always found it effectual.

RECEIPT FOR SAVING WHEAT FROM SMUT.

Take one pound of blue stone, dissolve it in water, and sprinkle it over four bushels of wheat the day before you sow it.

I never knew it to fail.

OSCAR P. V. KALLENBACH.

LONDON VEGETABLE MARKETS.

We have received from our attentive correspondent at Liverpool, a copy of the London Journal, in which we find the following table, giving an account of the kinds and quantities of vegetables sold at several of the markets of that city. The article was prepared for the Morning Chronicle, and we presume gives the amount sold for a year, although it is not so stated in the returns.

COVENT GARDEN MARKET, all of home produce :

Apples-360,000 bushels.

Pears-280,000 do. Cherries-90,000 do

Plums-280,000 half-sieves, or 93,000 bushels; three halfsleves go to a bushel.
Gooseberries—140,000 bushels.

Currants-Red, 70,000 sieves; white, 3800; black, 45,000, or 173,200 half-sieves; being the produce of 1,069,200 bushes, as 6 bushes on an average fill a sieve.

Strawberries—58.000 half-sieves, or 638,000 pottles; 11 pot-

tles go to a half-sieve.

Raspherries—30,000 sieves, or 22,500 bushels.

Walnuts—20,000 baskets, each 1½ bushels, or 25,000 bushels.

Cabbages—16,000 loads, 150 to 200 dozen each, or 33,600,000 cabbages.

Turnips—10,000 loads, 150 dozen each, or 18,800,000 turnips. Carrots—5,000 loads, 200 dozen each, or 12,000,000 carrots. Onions-500,000 bushels

Brocoli--including cauliflowers-1000 loads, 150 dozen each, or 1,800,000 heads. Peas—135,000 sacks. A sack is two bushels.

Beans-50,000 do.

Celery-1,500,000 rolls of 12 each, or 18,000,000 heads of celery.

Asparagus-400,000 bundles of 150 each, or 30,000,000 buds. Endive--150,000 scores.

French Beans—140,000 bushels. Potatoes—83,000 tons.

Watercresses-21,060 hampers or 26,325 cwt., each hamper being 11 cwt.

Borough Market. In all the returns "cauliflowers" are included under the head "brocoli."

Cabbages-8000 loads, 200 dozen to a load, or 19,200,000 cab-

-2000 loads, of 200 dozen each, or 4,800,000 turnips. Brocoli-1576 loads, of 200 dozen each, or 3,782,400 heads of brocoli.

Carrots-442 loads, 300 dozen each, or 1,571,200 carrots.

Potatoes—36,000 tons. Peas—25,000 sacks.

Beans-10,000 sacks.

Currants—30,000 bushels. Cherries—45,000 bushels. Strawberries—10,000 bushels. Gooseberries—35,000 sieves.

Apples-25,000 bushels.

Pears-10,000 bushels.

SPITALFIELDS MARKET, all home grown :

Potatoes-55,000 tons. Peas-50,000 sacks.

Beans-5000 sacks.

Cabbages-5000 loads, 200 dozen to a load, or 12,000,000 cab-

Turnips—2000 loads, 200 dozen to a load, or 4,800.000 turnips. Carrots—1000 loads, 200 dozen to a load, or 2,400,000 carrots. Brocoli—1200 loads, 200 dozen to a load, or 2,880,200 bushels.

Cherries-15,000 bushels. Apples—250,000 bushels.

Pears—83,000 bushels. Plums—45,000 bushels

Gooseberries-91,500 bushels. Currants-45,000 bushels

Strawberries—12,000 bushels. Raspberries—2500 bushels.

It is a curious fact connected with this market, that whatever of the lives of all who ventured into the pest-stricken city.

FARRINGTON MARKET :

Potatoes-14,000 tons.

Peas-7,000 sacks.

Beans-1200 sacks.

French Beans and Scarlet Runners-3,000 bushels. Cabbages-3500 loads of 200 dozen each, or 8,400,000 cab-

Brocoli—1300 loads, or 5,320,000 heads.

Turnips and Carrots-700 loads, averaging 50 dozens a load, or 504,000 turnips and carrots.

Onions-6,000 bushels. Gooseberries—12,000 bushels. Currants—5,000 bushels. Cherries—12,000 bushels. Plums-3,000 bushels. Apples—35,000 bushels. Pears—20,000 bushels. Strawberries-450 bushels. Watercresses-46,800 hampers, or 58,500 cwt. There are also 60,000 flower roots sold in a year.

AGRICULTURE IN NORTH CAROLINA.

We have before us an address delivered by the Hon. Kenneth Rayner, of Hertford, before the North Carolina State Agricultural Society, in October last. Mr. Rayner was for several years a member of Congress from that State, and was an active politician. We are glad to find that he has turned his attention to the development of the agricultural resources of the "Old North State," and hope that through the influence of the State Society, thousands of the aeres of sand and pine barrens within her borders may be brought into a state of beauty and fertility. Below are extracts from the Address, all we have room for at pres-

EFFECTS OF SCIENTIFIC DEVELOPMENT.

It is our good fortune to live in an age of wonderful invention, of startling scientific develop-ment. It is emphatically the age of rapid pro-gressive improvement. The striking peculiarity of the knowledge of the age is its direction and application to useful and practical ends; in ministering to the necessities, the comforts and luxuries of man. In fact it is the demand for that species of knowledge, that is whetting invention, stimulating ingenuity, and taxing intellect for its mightiest achievements. Geology, mineralogy, chemistry, botany, zoology, and natural philosophy, are not now cultivated, as the mere avocations of intellectual research, or to satisfy the philosopher's abstract thirst for knowledge; but as the instruments by which man is to subdue the material world to his control, and apply the immutable laws of nature to the satisfying his A minute knowledge and classification of primeval rocks, from the disintegration of which the soil is composed—the deductions arrived at from an acquaintance with the various strata and fossil deposites of the crust of the earth-an examination of the constituent elements of all material nature, their relations, affinities and repulsions for each other—an acquaintance with the structure and vegetable physiology of plants and trees and flowers; and the principle of their growth, decay and reproduction—an understanding of the peculiarities, habits and capacities of animals, whether of the higher type or of crawling insects—the study of those laws of motion, and physical forces, by which Infinite wisdom produce is sent to if from Enfield, in Middlesex, is subject to neither turnpike nor market tolls; an exemption granted to governs the boundless universe—all these branches Enfield, because, during the Plague, in 1065, vegetables and fruit of knowledge are pursued with a vigor and tenac-were sent almost exclusively from thence—of course at the risk ity unknown to the votary of ancient learning, and to answer the purposes of practical utility. They are made to serve the purposes, and direct the course of the miner in his search for mineral treasures in the bowels of the earth; and in ransacking the coal-fields which nature has laid aside in her great store-house for the use of man, after the forests have fallen before a redundant population. They afford data by which the physician

is enabled to minister to human suffering; by other domesticated animals, confined for an anbeauty to his fabries; by which the cutler tempers a character naturally adapted to their wants, the edge of the implements of labor. They direct have been known to sicken and die. The only exthe engineer as he drives his car careering over the land—or propels his ship against wind and ception to this rule, perhaps, is found in those

INFLUENCE OF RAILROADS ON AGRICULTURE.

One of the most striking manifestations of the industrial enterprise of the age is in the struggle of the people under the tropics. man is new engaged in, with the obstacles presented by nature—in opening channels of communication, in laying down the pathways of trade and commerce, in pioneering the way for the iron rail and steam-engine. The vast stores of the Incus of Peru dwindle into insignificance compared to err, and commit involuntary mistakes on nawith the hundreds of millions that have been expended in these monuments of human industry in the United States, in England in France; and their march is onward towards the steppes of Asia. In their construction man has achieved a variety of food is always better than an unvavictories over the elements, of which Archimedes ried course. The same article falls, by repetition, never dreamt. It was the boast of Napoleon, that whilst Hannibal had scaled the Alps he had turned them-but the engineer has done more than either of these great conquerors; he has tunnelled them, not for the march of desolating armies, but for the transit of the products of the attractions, and invests with attributes that cause pursuits of peace-for the conveyance of the traveller in comfort and safety beneath the roaring ing and disgust. avalanche above his head. And what are railroads, but the veins and arteries, through which the products of agriculture, either in their crude state, or as fashioned in the workshop, circulate, in seeking the market of commerce? Whilst railroads are dependent upon the products of agriculture, yet the two are inseparably identified in interest. They act and react on each other. It is upon the productions of the field and the workshop that the railroad must rely for the materials of freight, the very means of subsistence—but then again, the construction of the railroad, by the benefits conferred, in contiguity to market, cheapening the cost of transportation, increased convenience in procuring the comforts and luxuries of life, affords a stimulus to the land-owner, to improve his land to its highest capability of production; and as the products of the land are increased, the railroad finds increased employment, and enhanced profits.

CHANGE OF FOOD.

There appears to be, in all animals, a propensity frequently to change their food, the periodical indulgence of which, within reasonable limits, bly vigorous utensil. The watering-pot, on the is highly conducive not only to the gratification other hand, is a superior article. It is constructed of the appetite, but to the promotion of health, on mechanical principles. The two handles—the In our own species, this propensity is strikingly carrying and the watering handles—form but one displayed, and the necessity for its gratification is incontestably demonstrated by the fact that indisplayed is a species of the same of incontestably demonstrated by the fact that indi-tion to the other, and may hold a watering-pot viduals confined for any considerable length of in each. The wheelbarrow is an ill-built affair, time to the same diet, are much more liable to and usually creaks. The mortar used in the condisease and loss of health, than those who indulge in a variety. This is evinced by the extreme prevalence of those fatal maladies attending long voyages, where the seamen are necessarily restricted proprietors resort to the following expedient to discovered the seamen are necessarily restricted proprietors resort to the following expedient to discovered the seamen are necessarily restricted proprietors resort to the following expedient to discovered the seamen are necessarily restricted proprietors resort to the following expedient to discovered the seamen are necessarily restricted. for months to the same rations. Dogs, cats, and minish their consumption of it. At every twenty

which the manufacturer imparts the tints of undue period to one sort of food, though it be of anomalous cases where the food is of the simplest and most humble kinds; as, for instance, the potatoes of the Irish, and the no less simple aliment

A consideration of this fact is of the greatest consideration to farmers, who, though frequently guided in the treatment of their domestic animals by the most benevolent sympathies, are yet liable ture, purely through a misconception of the necessities imposed by an irreversible natural law. In feeding cattle of all kinds, it will be found that upon the palate, and a dislike is engendered for food, which, though nutritive and sapid enough in itself, when craved by the appetite, long and compulsory habituation deprived of all its natural it to be contemplated, even in hunger, with loath-

FRENCH GARDEN IMPLEMENTS---STONE---LABOR.

I sometimes wonder that anything grows in France, the tools used in gardening and in agriculture are so uncouth and unhandy. The hoe, an instrument of constant use, has a handle but two feet long, so that the hoer is obliged to bend into the very earth, in order to reach the object of his care. He thus has his back continually horizontal—a position as laborious and painful as it is degrading, for it gives to a man the ap-pearance of a beast of the field, crawling on all fours. The French spade is even worse. The handle is straight, like the American hoe; it is not furnished with a hand-piece at the end, which at home is thought to increase its efficiency twofold. This tool is a monstrous misapplication of strength to labor, and, as might be supposed, performs very small days' work. In fact, the spade and the shovel are both one, whereas they ought to be as distinct as poker and tongs. The rake, an ornamental instrument at best, is furnished with nails in the place of teeth; but as it is often double, being a rake on both sides, it is a tolerafeet of the wall to be built, a fragment of it—say that so done by the food consumed, which serves a portion two feet wide—is made with mortar, the rest is cemented with mud—the commonest position tends to keep up the animal heat, while made upon the spot, with any earth that exposure decreases it, or rather makes more food or fuel requisite to support it. An equable temperature in its whole length. The result is a large factor of the result

wall that will last for centuries, there being no frosts powerful enough to upheave or disjoint it.

I said the mortar was stronger than the stone. No one who has ever seen French building-stone, in the neighborhood of Paris, can form even a remote idea of what it is. The masons snip it, shape it, edge it, as if each lump were a pine-apple cheese. I have seen the adze penetrate a block as it would have penetrated a ripe water-melon. This quality, which adds to the facility venicntly provided, and in such cases, one should with which it is adapted, is in no way disadvantageous. The stone will bear any weight, and be built of poles, rails or boards, and straw. tageous. The stone will bear any weight, and be built of poles, rails or boards, and straw, never splits or chips of its own accord. With which will shelter sheep and cattle almost as time its color changes from a rich cream color to well as more costly structures--though of course a dingy brown, but a scrape every five years re-stores it. Its softness is in fact as great an ad-should be made double and filled in with straw, vantage as malleability is to a metal; for while which may be also used as a thatch; or evergreen it is as easily fashioned as cheese, it is as durable boughs answer well this purpose.

to a degree quite unusual with the sex. The two stock. are boarded and lodged by their employer, and the wages they get are proportionately reduced. quality and quantity of the manure heaps. The Still, the smallness of the figure will astonish you stables should be kept well littered, for the comas it did me. They earn, together, \$180 a year fort and health of their occupants, and the pigcents a day for her. They lay by \$100 a year, young porkers to manufacture. Muck, leaves and when they are too old to work, will be able from the woods, coarse hay and such absorbent

PREPARE FOR WINTER.

dition to poverty.—N. Y. Times.

Winter is at hand, with its storms of sleet and go to waste which his reasonable care can save. snow, and all necessary preparations for the comfort and thrift of his stock should be made by the should be brought into the yard, if it may be, so farmer. These duties will now nearly monopolize his attention. Every season has for him its demand. It is an excellent plan to have proper appropriate and varying work, and that of winter disterns constructed to take the water from the brings him often among his domestic animals, as their sustenance and shelter is mostly provided by in this way a full supply of the best water may his care and labor. On these subjects we offer a by secured. - Wool Grower. few suggestions.

Considerations of economy as well as humanity New Food for Sheef.—Whilst I was at Geneshould induce attention to the protection and va. I observed every one collecting carefully the shelter of domestic animals in inclement weather. fruit of the horse-chestnut, and on inquiry I Less food is required to sustain in thriving condi-learnt that the butchers and holders of grazingtion an animal kept in a comfortable stable, stock bought it readily at a certain price per than one not thus sheltered. The vital heat must bushel. I inquired of my butcher, and he told

feet of the wall to be built, a fragment of it-say|this is done by the food consumed, which serves

as granite.

I told you that I once hired an old woman to weed a gravel path and strawberry bed. I am happy to state that this venerable creature is now well provided for. She and her good man are engaged as hasbandmen upon a neighbering farm.

They were twelve hours a day stability and she cossity.

Comparison were this purpose.

It is poor policy to pinch stock in the early part of winter. Let them be kept in good heart, if it can be done, from first to last, and if they must be put on short allowance, let it be at the close of the season. To make the best of the stock in the early part of winter. Let them be kept in good heart, if it can be done, from first to last, and if they well provided for. She and her good man are close of the season. To make the best of the season. engagea as musoanamen apon a neighboring arm. Podact, a statw-cutter in the barn is a prime network twelve hours a day, steadily, and she cessity. Corn stalks cut fine are eagerly conperforms the same labors, and quite as much lasumed by eattle; and clover, and all coarse hay bor as he. She digs, weeds, plants, "snatches" goes much farther when cut, and even the best potatoes, trains grape-vines, mounts drays, ascends ladders, gets into trenches, sinks wells, like If grain of any kind is fed, it should be ground the veriest male of them all. I sat the other day and mixed with cut straw, first moistened with more a lawycock of hay making. She is siddle water. It will be latter discreted and compensations. upon a hay-cock of her making. She is richly water. It will be better digested, and consebronzed, and her limbs—which she exposes with quently less will be required. Apples and roots an agricultural freedom-aregnarled and knotted are of as much value as food for all kinds of farm

-being thirty cents a day for him, and ninetem pen be supplied with the raw material for the and when they are too but work, with be able to keep them out of the poor-house and avoid the hospital, even though saddled with sickness in addition to poverty.—N. Y. Times.

materials will add much to the value of this "eshential to productive farming"—manure. Enough dition to poverty.—N. Y. Times. horse dung to prevent its heating, and to take up the liquid portion of the same. No farmer who studies true economy, will suffer any fertilizer to

Water as well as food is necessary. that every animal may have the supply his wants

New Food for Sheep .- Whilst I was at Genebe kept to a certain point—about 100°—and me it was given to those sheep in particular that were fattening. The horse-chesnuts were well crushed; something in the way, so I understood, that apples are, previous to eider being made. They are crushed or cut up in a machine kept solely in Switzerland for that purpose; then about two pounds' weight is given to each sheep morning and evening. It must be portioned out to sheep, as too much would disagree with them, being of a very heating nature. The butcher D., in Agricultural Gazette.

WINTER MANAGEMENT OF SHEEP.

the practice of salting my hay, except when compelled, by stress of weather, to house it before it is thoroughly cured. My sheep are salted about once a week the year round, and instead of giving them tar, as recommended by some persons, I occasionally strew the yard with pine boughs, of which they are fond.

I regard the fall management of lambs one of the most important branches of sheep husbandry. stinted till removed to winter quarters, when they should have a small allowance of grain or oil-meal As soon as the pasture begins to fail, the ration of prise, and inquiries were at once made as to what grain should be supplied. By neglecting to provide suitable pasture for a lot of upwards of 100 suggested that it must be Professor Brown, of forts, after I discovered the error, were of no the State Fair." The Editor of the N. E. Faravail. I gave them a comfortable shed, plenty of litter, good hay, a regular allowance of meal, and free access to water; but they never recovered, and the greater part died before spring.

first of December. The flock which I keep at my home barn, under my own eye, and from which I raise bucks for the supply of my own, and many of my neighbors' flock, is managed in this way. It may readily be conceived, that a man may be The ewes, in lots of 20 to 35, are placed in separate a Know Nothing in polities, and yet know somepens, and a select buck is turned into each pen, thing in agricultural affairs! Possibly, it may where they are kept together 15 or 20 days, be true, that guano has injured crops in some The ewes in each pen are marked with a letter in localities, more than it has benefited them.* tar and lampblack, to indicate what buck they were served by. At shearing time, the best buck their origin.

as it is to a gother animal. They will go through fore using it, rather than perform that office in no, has doubtless been informed that it is so powhis bowels.

*When my sheep run in large flocks without shelter, they were occasionally affected with the scab, but since I have provided comfortable sheds for them, they have been troubled with no serious disease. This climate is well suited to sheep.—

E. Kirby, Jeff. Co., N. Y., in Morrell's Shepherd.

For the New England Farmer.

TALK ABOUT GUANO.

BY HENRY F. FRENCH.

.At the annual meeting for the election of officers of the Rockingham Fair, last week, part of the day was devoted to a discussion of the use of Guano and Super-phosphate of Lime. farmers in this county have made experiments with told me that it gave an excellent rich flavor to the farmers in this county have made experiments with meat. The Geneva mutton is noted for being as both in various ways, and I have been intending, highly flavored as any in England or Wales .- E. if that leisure time, of which we sometimes fondly dream, ever should arrive, to collect the experience of our farmers and publish it for the good of the community. Enough facts might be In wet weather it is of great advantage to be brought together from what has been done with able to fodder under shelter. I have abandoned these fertilizers in this county alone, to afford pretty satisfactory means of conclusion as to the advantages of their use. Before proceeding farther, it may as well be suggested, that I shall not undertake just now to be very decided in the expression of any opinion on the subject, for fear I may not agree with the principal editor. One gentleman, who did not seem to have a realizing Having paid for my experience on this point as sense of the Protean character of editors, said in well as that of winter shelter, I can speak with our meeting, that he heard Professor Brown say confidence. They should be separated from their at the State Fair in New Hampshire, that he had old sheep, that require nursing, turned to the best pasture. Care should be taken that they are not season, had done the farmers much more hurt than good.

This statement was received with manifest survery superior lambs one season, I lost the greater Dartmouth College. "No," said our friend, "it part of them the ensuing winter. My utmost ef- was the gentleman who delivered the address at mer," added another. "The Lieutenant Governor elect, who delivered our annual address last year," remarked a third, and then followed the My bucks and ewes are put together about the usual shout of laughter, which puts every body in good humor, when the subject of Massachusetts politics is named, since the last election. Now, it may readily be conceived, that a man may be

If so, it must be, because it was improperly lambs are selected, and receive a mark to denote applied. The man who put half a pint of salt in each hill for potatoes, concluded that salt, as a Tu my joe zment, water is as essential to sheep fertilizer, is a humbug, and a farmer who should the winger on snow instead of water, and so would give his colt a peck of corn at once, would proba man or horse, if compelled by necessity to do ably infer from that single experiment, that corn so; but either would prefer to have it thawed be- is poison to colts. Every one who has used gua-

erful, that corn and even potatoes will refuse to for while we have not yet experience enough in vegetate, if the seed be placed in contact with it. the use of guano, to satisfy us how it may be Many persons destroyed their seed 'ast season, by used to the best advantage, there can be no placing it over guano, imperfectly covered. If doubt that it is a powerful stimulant and fertilyou converse with these persons, you will find izer, when properly applied. most of them will declare, they did cover the guano an inch or two deep, at least, before drop- at the present prices of guano, and of crops, it ping the seed, and if you parsue the investigatean be profitably purchased. tion further, you will, in nine cases out of ten, ascertain that the covering was done with the foot, fus Sanborn, of Hampton Falls, at the meeting and not with a hoe. It is true, that it makes no before named, as I peneilled it down, when he particular difference how the earth is put upon gave it. It may be remarked, by the way, that the guano, provided it be thoroughly done; but the Hampton Falls Farmers' Club, of which Mr. where we see men go into the field and actually Sanborn is a member, has been conducting a cover an acre of corn or potatoes with a cowhide course of experiments, with the various fertilizers, boot, instead of a good polished steel hoe, we which may be of great service, if we can procure shall continue to look upon the kicking process them for publication. with suspicion. With the help of my boy Willie, of ten years old, I applied guano to about an toes. He planted them on dry land, on which he acre of corn, at the rate of one ounce to the had applied sixteen loads of manure and plowed hill, and covered it about an inch and a half it in. He put one hundred pounds of Peruvian deep, with a hoe, with my own hands, and not guano into the hills, on half an acre, leaving the one single hill was injured, and the whole was rest with no manure except what was plowed in. much benefited, while close by, on similar land, He dug the potatoes in July, and sold them at part of a neighbor's cornfield to which guano an average price of one dollar fifty cents a bushhad been applied, looked as one might imagine el. He got just twenty-five per cent. more po-Sodom and Gomorrah to appear, after the first tatoes where the guano was applied, and they shower of fire and brimstone. One-half the piece were of better size. was nearly destroyed, while the other grew very handsomely. I inquired the reason of the difference, and was informed that the first half was was three dollars, and the gain by its use about carefully covered with a hoe, and the other with the foot.

For one, I am not yet prepared to admit that guano is not to be used to advantage, by our and to a part Peruvian guano at the rate of 100 farmers in New England.

izers, no sensible farmer will pretend, and no one should neglect to use all the means which Nature bushels to the acre, so that the 100 lbs. of guano has put within his control to increase the quan- worth three dollars, gave twenty bushels of potity of manure on his farm. But, after we have tatoes worth about sixteen dollars. earefully saved everything from the stable and barn and vaults and sinks and swamps and woods, of an aere, and plowed it in for Rye, leaving a we often have not enough, and sometimes may part of the piece with no guano. It was cut by purchase with profit. Everybody knows something of the labor and expense of hauling and The whole crop was twenty bushels to the acre, composting stable manure, and the time necessa- which he called a small crop. His opinion is, rily consumed in these operations. If we con-that there was fully double the quantity of straw, sider, that when we have loaded a ton of man- and nearly double the quantity of grain on the ure in our barn cellar, and hauled it out with part where the guano was applied. He applied four oxen, and perhaps laid it in a large pile, 200 lbs. to an acre for Barley, and increased his and afterwards reloaded it, and dropped it in crop one-third by the means, as compared with a small heaps, and once more handled it all over part of the field not guanoed. in spreading, if we consider that of the whole The part on which the guano was used, gave ton, all but four hundred pounds is water, just a erop of fifty bushels to the aero, so that he got such as we are deluged with every spring, it does about twelve and a half bushels of barley, worth not seem unreasonable that farmers should look as many dollars, for about five dollars worth of carefully for some more concentrated form of fer- guano, to say nothing of the increase of straw. tilizers. My intention now is, to say enough to The barley was raised last year, and the land

The great question yet remains open, whether

Mr. Sanborn's first experiment was with pota-

His crop was one hundred bushels to the acre. The value of the guano and labor of applying it twelve and a half bushels of potatoes which sold for \$18,75. On another piece of similar land, he applied swamp mud in the hill, to the whole, pounds to the acre, which increased the crop one That it will supercede the use of other fertil-bushel in ten. The crop was understood to be a later crop than the first, and to have been 200

Mr. Sanborn applied 100 lbs. to three-quarters his men in his absence, and not kept separate.

keep the subject in mind, as still an open one, laid to grass. He says there was this year, no

perceptible difference in the crop of grass where the guano was used, and where it was not.

blunder last year of an over dose of guano on his corn. He applied five hundred pounds to an acre in the hill, and burnt up his crop so that he lost half of it. This year, by no means discouraged, he repeated his experiment with corn. plowed his land with a Michigan plow, sowed on 200 lbs. of Peruvian guano to the acre, plowed it again lightly, say six mehes deep, put 100 lbs. in the hill, and 200 lbs. more round the hills, before the second hocing, and gathered ninety-eight bushels of shelled corn to the acre, as measured by his neighbors, and received the first premium of our County Society, for his crop. He has no mean: of knowing how much the crop was increased by the guano, but stated that he had no doubt it added to it very much.

The foregoing is, perhaps, as much guano as is profitable for our readers, at one dose. There is a good deal going on in the Granite State, in the way of agricultural investigations, and nowhere more than in Hampton Falls. Mr. Sanborn, whose statements are given above, is a reliable man, who labors with his own hands, and whose object is to make his farming profitable. The testimony of one such man who practices, is worth that of two mere professors of agriculture. As soon as the facts can be collected, I hope to lay before the public further experiments, both in the use of guano, and of super-phosphate of lime, and I pray you not to declare the polls closed on these subjects, till the vote of Rockingham County is received. н. г. г.

Exeter, N. H., Nov. 20, 1854.

For the New England Farmer.

AUTUMN PLOWING.

Mr. Editor:—I am surprised at the remarks of our friend, H. S. Perrin, of Orfordville, N. II., in relation to fall plowing. It appears to me that no farmer, however inexperienced in cultivating the soil of New England, can fail to see that fall richness in an uncultivated place. or autumn plowing is a benefit to the soil. In the first place, Mr. P. thinks that one-fifth of the manure applied is lost; this I conceive to be an error in which many persons indulge, but I cannot for my life see how the fertilizing qualities of the manure can escape by the simple process of. turning under what remains upon the surface, plowed in the fall is not so liable to drought as those plowed in the spring. Fall plowing also serves to destroy those insects which deposit their eggs in the ground, and in the spring rise up by thousands and destroy the crops. If Mr. P. will take two acres of land, side by side, plow one in the fall and the other in the spring, equally manure both, I think he will find the result to be in favor of fall plowiing. A. K. P. W.

Quincy, Nov. 20, 1854.

MANURING.

It is a beautifully wise and sublimely grand Mr. Sanborn said that he made the common provision of Providence, that the decomposition under last year of an over dose of guano on his and decay of all matter, both animal and vegetable, is so closely connected with reproduction, thus forming a continual transmigration of matter, and verifying practically that great truth in philosophy, that not a particle of matter can be lost, although it exists at different times in different forms. This transformation is going on constantly before our eyes, in the growth and decay of vegetables, trees, &c.; as, for instance, the plant that is growing luxuriantly in genial summer, imbibing nutriment from decomposing materials, will itself, in return, mature, die, decay, decompose, and its elements contribute to the growth of successive vegetation in its vicinity.

These truths involve principles no less impor-tant or advantageous to the farmer than the moralist and the philosopher, as it comprehends manuring in all its variety; the only object of manuring being to furnish nourishment to the growing plant, and whatever undergoes decomposition. whether animal, vegetable, or mineral, does that. Every farmer should be aware of the fact, that carbonic acid gas is actually necessary to the health and growth of vegetation, and that whatever furnishes this gas should be applied as manure as far as practicable. With this view of manures, I make it an object, when preparing new ground for cultivation, not to draw off any rotten or decayed wood that can be plowed in, but rather to draw it on land where there is none, believing it to be as good manure as any other, although its effects may not be seen immediately. Every one who has cultivated a farm, must have observed that grain,—Indian corn in particular -will grow much larger than usual near an old fence or a rotten stump, or log, if there are any in the field. Now, it is evident that it is not owing to superior cultivation, that such is the case; but, on the contrary, land is seldom plowed as good close to a fence, or around a stump or a log, as other places; and we are left to the conclusion that it is the nourishment they impart that produces such effects; and when we have arrived at such a conclusion, we cannot fail to see how much better it would be to apply such things as fallen leaves, rotten wood, and all other substances that emit carbonic acid gas during deeay, as manure, than to leave them to waste their

Ventilation of Stables.—We have sometimes speculated as to which stable is most inimical to the health and comfort of horses, the one with an inch between each plank in the floor, a hole in the door, a clapboard off one side and a broken window in the other with a leaky roof, or a after the crops are harvested. I find that lands plowed in the fall is not so liable to drought as of each class in all sections of the country. But the number is, we trust, yearly getting less. See to it, however, you who have had energy enough to build a neat, good, substantial barn, that from lack of judicious ventilation your horses are not as much injured in eyes and lungs from the lack of good air and the constant exhalation of noxious vapors, as they would be in other respects in the tumble-down barn of your neighbor Shift-Less .- Rural New Yorker.

For the New England Farmer.

MORE ABOUT GUANO.

ited to the three times plowing the field, how much using. to the manure spread upon the land, and how much to the guano, it may not be easy to distinguish.

I am glad to know that any of our farmers can give a favorable account of the use of guano. So far as I have witnessed its use the present Mr. Brown :- I have perused with much in-season, except where it was applied to grass land terest your paper of this date, (Dec. 2, 1854,) in the early part of the season, but little benefit and particularly the talk of brother F. about has accrued from it. As at present advised, I guano. This is just the talk for farmers. Plain should prefer ashes at ninepence a bushel, to facts brought forward in this familiar manner, guano at \$50 per ton, for the growing of grass; will be read and remembered, when a formal and I should prefer ten cords of good stable maessay will be passed without notice. I was particularly struck by the fine crop of corn grown by farmer Sanborn, of Hampton Falls—98 bushels of corn, actually shelled and measured, as the product of one acre, is what does not often happen on the farms of New England. I have heard thought, two years ago, that it improved his of larger groves. Plumouth measure: but when inof larger crops, Plymouth measure; but when in- crop; but it will be remembered that he applied quired into, there is found some exceptions about ashes to the same land—therefore he could not the measure. I have seen many fine crops of be certain which medicine wrought the cure. I corn, but never one that yielded better than this would not discourage the use of guano, but I am Hampton erop. How much of this is to be cred- by no means satisfied that it will be found worth

Danvers, Dec. 2, 1854.

THE HURBUT APPLE.

Medial; flattish-conical; pale yellow, mostly covered with red, with bright stripes in the sun; stem medial length, slender, in a rather broad, deep cavity, always covered with russet, often extending on the base; calyx small, closed, in a shallow basin; flesh yellowish white, fine texture, rather tender, remarkably crisp, juicy, of a mild, sprightly, aromatic flavor. Nov. and Dec. We find this as great and stout a grower, in the nursery, as the Baldwin. Great bearer. The original tree is still flourishing on the farm YWW

of Gen. Leonard Hurlbut, Winchester, Ct. It bore 40 bushels one year, and 20 the next. One of the finest of the season, for the dessert and kitchen.

MAMMOTH OXEN.—There is now on exhibition near the Fitchburg Depot, Boston, a pair of Oxen said to weigh ninety hundred pounds! One labor, the picture is completed. The subject of of them girts twelve feet and one inch, and is the painting is, " De Soto discovering the Missiseighteen feet in length, from the tip of the nose to the end of the tail, and is six feet and four inches high! They were raised by Mr. WILLIAM company with several hundred men, on an explo-Paddock, of Hoosiek, Renssellaer county, New York, and worked and fattened by Mr. John He had been an officer under Pizarro in Peru, and LEE, of Washington county, same State. They perhaps expected to find gold among the Indians. are bright and active, and well worth looking at, and the ninepence which it costs for the oppor-Natchez. De Soto, after months of laborious tunity to do so.

For the New England Farmer.

A MAGNIFICENT PAINTING.

Many of your readers are doubtless aware that many years ago Congress selected an artist to paint a picture for the vacant panel in the rotunda at Washington. William H. Powell, was the almost unanimous choice. After five years of sippi." A few words of history will render the description more intelligible. De Soto was Governor of Cuba. In April, 1539, he set out in ration through Florida to the Mississippi River.

"The picture represents the discovery as taking place at the last of the Chickasaw Bluffs below travel, has just arrived on the banks of the migh ty his features and attitude by the artist. His army zation which is now no longer a matter of imaginconsisted of three hundred mounted men, and a ation. The contemplative, serious delight of the considerable amount of infantry. They were well chief is well contrasted by the waving of hats and equipped, as all Spanish armies at that period the laughing shouts of delight of his followers." were. De Soto's imagination had been inflamed by the descriptions of the river which he had for this splendid picture, and so arduous has been heard from the savages of the forest whom he had the work that this sum has proved inadequate. encountered; and he pressed on by means of In- He is permitted to exhibit the painting for his dian guides, overcoming many obstacles that personal benefit for a limited season. would have deterred a less daring spirtt. forests were to be hewn down for his cannon and cavalry, and the Indians had to be fought at every step. Besides, he was in a foreign country, a vast wilderness, of what extent he knew not, and, as he had already ascertained, surrounded by for the building of houses with lime and gravel. many dangers.

The picture may be divided into four groups. The principals group represents De Soto, mounted on a magnificent white horse at the head of his suite of officers, servants and standard-bearers, and followed by his eavalry, which grow indistinet in the shades of the forest in the distance. The principal feature in this group, of course, is sesses the information reply to the above? the commander-in-chief, Proudly erect upon his noble steed, the white plumes of his office as Governor of Cuba shading his brow; blazing with the splendid armor of a Spanish noble of the sixteenth century; the yellow banneret of Spain, and the two headed eagle of Austria waving their rich folds over his head, he seems conscious of the dignity of his great mission, which is to take possession of this inland sea and fertile country in the name of European civilization

The second group in advance of De Soto, and immediately on the bank of the river is a group of native Indians, into whose camp he has just arrived, The third group is formed of some missionaries and soldiers belonging to the army, who are planting a cross as a memento to mark the spot, while the fourth group is composed of a company of men who are preparing to fire a can-non in commemoration of the event.

The group of savages is composed of the chief and his two tall sons, who are coming forward to offer to the white man, the first they had ever that give milk, and what will make the most seen, the pipe of peace. The old chief stands milk for the same money, and also how to feed nearly bent double between his two sons, and them? (a.) holds out the pipe with an expression in his countenance of mingled fear and astonishment. One the year on winter rye and on pastures! (b.) of the sons looks at the gay plumage, singular costumes and numerous appliances of war of the new comers with evident admiration; while the other has drawn himself proudly up, with an ex- can only be answered in a general way without which clearly proves what would be his solution cheapest" food for milch cows which we have evof the difficulty, if he had the power. In front er found, was good corn fodder, clover and herd'sof the chief several naked squaws are seen kneel-

good will of their visitors, De Soto deigns not to Under this treatment this gave more milk than east a glance at the group in front of him, but with his eyes directed over their heads to the grandeur of the scene that is spread out before him, to the majestic river, dotted with islands, ly. and to the far sweep of country that extends be--yond, one can imagine 'he sees in the glowing ter.

river, which is here spread out in all its beauty countenance and the sparkling eye, the mind of and grandeur, and his delight at the discovery of the discoverer earried forward to the realization the long-sought-for object, is well delineated in of that future greatness in population and civili-

Mr. Powell receives from Government \$10,000,

W. D. B.

EXTRACTS AND REPLIES.

CONCRETE BUILDINGS.

Mr. Editor:—I saw an article in your paper I wish you would just give me through your paper the manner in which they do it, cost, &c., as nigh as you can ascertain. If you will do so, you will confer a favor on A Subscriber.

Warwick, 1854.

Remarks.—Will some correspondent who pos-

REMEDY FOR BLEEDING AT THE NOSE.

Take good dried beef, grate it fine and press the eavity of the nose full of it, allowing it to remain until it comes away of itself. It may be a little oppressive, but is a certain remedy. This is the experience of Dr. J. N. Knapp, of Dummerston. This is the Vt., who has been in the successful practice of medicine, since 1814. He has stopped the flow of blood in several instances where the patient has been reduced to a helpless condition, and in two cases where the patient has become delirious and was determined to be left to die. Direct force was used, and the patient recovered.

Randolph, Vt. GEO. F. NUTTING.

BEST FOOD FOR MILCH COWS --- PLASTER.

Mr. Editor:—I have been a constant reader of the Farmer for years, and I wish now to make some inquiries through its columns. I make milk for the Worcester market. I wish to inquire what is the best and cheapest feed for cows

Is it beneficial to sow plaster at this season of Worcester, Nov. 6, 1854.

Remarks.—(a.) The questions under this head pression of disdain and daring in his countenance long and exact experiments. The "best and ing offering presents of game and corn to their grass hay, and half a bushel, or three peeks of conquerers, hoping thus to conciliate their favor. roots,—say, beets, parsnips, carrots, flat turnips Whilst the Indians are presenting their peace and ruta bagas,—per day, for each cow, fed to offerings, and endeavoring to gain the attention and them in the morning soon after they were milked.

(b.) The autumn is a good time to sow plas-

THE BLACKSMITH.

BY B. ROBERTS.

O, a mighty man is the blacksmith, With his sinewy arm and strong; And as the world have termed him wright, We will not write him wrong.

He'd blow and strike, and hammer and pound, Though a man of peace is he; He's often given to forging, But never to forgery.

He'll screw and twist, and wrench and turn, Though honest in his dealing; And while he often takes the steel, He never takes to stealing.

His stock is soldom less than par, And often takes a rise; No matter what his virtues are, He's much to do with vise.

His temper it is always good, Though hard things form his lot; He's often in a "melting mood," And strikes while the iron's hot.

He sometimes sways an iron rod, Although a fee to tyranny ; His figures are not those of speech, Though oft he uses irony.

And ere his great work is complete, And he shall close his books, Our swords he'll into plowshares beat, Our spears to pruning-hooks.

Rural New-Yorker.

CALIFORNIA AGRICULTURAL PRE-MIUMS.

4th of October and following days. The State potatoes the present season are much better than awards the Agricultural Society five thousand we had any reason to expect. Eight hundred dollars annually for years, to be given as premiums. The premiums are decidedly worth getting. Among others, for the best farm, \$200; 50 bushels of corn, so far as my observation has best twenty-five ears of seed corn; best fifty little necessity of introducing animals from abroad, pounds of butter, fifty dollars; best quart of cran- at three times the cost for which they can be reared. herries, ten dollars; hest evergreen wreath, twenty dollars. For the best six pumpkins, (probably proposed by a New Englander,) ten dollars.

cart, twenty dollars.

proposed was one of one hundred dollars for the nips, beets and carrots, and fed them to my cat-"finest baby under one year old." Just at the tie, horses and hogs for several years past, I have last moment, the executive committee thought it no data to estimate the real value, but from a sindence will save maccessary crying.

Concord, 1854. W. D. B.

new agricultural paper published at Lafayette, I would try what turnips and salt-hay would do Indiana. It is well printed, filled with instructive for them. They were both two y ars old; the heifmatter, and will undoubtedly do good service in stock; the steer a mean animal, thin of flesh, badthe cause. Edited by A. J. Weaver and John ly built, a poor feeder, and such as most of our Lovering. Fifty cents a year.

TURNIPS AND SALT HAY.

We copy from the Maine Farmer, of October 9, 1854, a paper published under the editorial care of Dr. E. Holmes, at Augusta, the following correspondence, which, if we do not mistake, will be read with interest by many a farmer. We make no pretensions ourselves to a knowledge of the growing of turnips, or the peculiar qualities of salt hay so much of which springs spontaneously, without culture, all along our shores; but when the elements of these products are incorporated in the form of a sirloin of beef, with the streaks of fat and lean properly intermingled, (or to use the expressive phrase of Mr. Sprague, "well marbled") we yield to no one, of our inches, in the ability to do it justice. When we see names like those anproving this experiment, gentlemen whose opinions are confirmed by the experiments of many years, we think we are safe in following their lead, and in endeavoring to lead others in like paths. There is more real utility, in one such experiment, well established, than in all the fancy speculations ever put forth, without confirmation by experiment.

GOOD USE OF TURNIPS AND SALT-HAY.

Mr. Editor:—I forward for publication in your paper, a copy of a letter that I used in speaking to the farmers of York county, on the 5th inst., at Biddeford. It contains facts, in my opinion, worthy to be remembered. It is supported by the names of Webster and Sprague-as well entitled to credit in such matters as any I know .-Let any one pass from Boston to the Kennebee, and take a glance at the salt marshes by the way, Farming in California is becoming a business and he will see abundant occasion to seek a valuof some consequence. We see by the California able use for salt hay, and for the growing of tur-Farmer—quite a smart paper for the new State— nips, in these days, when the potato has so genethat a great Cattle Show was to come off the rally failed, though I am happy to say that our second best, \$175. The premium for the best extended. I was much pleased with the fine workflower garden, (\$40) is a new idea this way, ing oxen that I saw at Biddeford; while such an-There is offered a prize of fifteen dollars for the imals can be reared on such farms, there can be J. W. Proctor.

Danvers, Mass., Oct. 7, 1854.

Premiums are offered with great liberality for Hos. J. W. Proctor, farm vehicles, (why not here?) This is a good one: For the best cart horse, to be shown in to my superience of the value of turnips and salthay, I can only say that notwithstanding I have The most important "live stock" premium raised from one to two thousand bushels of turwouldn't hardly do and withdrew it. Their pru-gle experiment I made at the suggestion of the late and lamented Daniel Webster.

Having purchased a number of young cattle from a drove from Maine, and finding a heifer not The Tippecanne Farm r is the name of a in ealf, and a steer of ordinary quality, I thought farmers in the vicinity would have thought more

likely to die than live, on such feed as I was about to confine him to. They were put into the stall the latter part of November, and fed on ruta baga turnips and salt hay. The heifer consumed nearly one bushel per day, the steer not much more than one half that quantity. At the end of four months I sold the heifer to the butcher. She opened well, but with not a large quantity of fat on the kidney, or of rough tallow, but the side was thick and well marbled, or mixed with fat and lean. The meat was juicy and well flavored, and much admired by all who saw or tasted it.— Being fearful the turnips or salt hay might give an unpleasant flavor to the meat, I gave her, for four or five days previous to her being slaughtered, English hay and a little Indian meal. With this exception she had not a mouthful of food of any kind but turnips and salt-hay. Water was of-fered them occasionally, but they drank but little. The steer was slaughtered shortly after; he was very decent beef, but no way comparing to the heifer. I was much pleased with the result Some very intelligent farmers will not believe that turnips possess any nutritive quality, and ridicule the idea that an ounce of fat can be made from them. And the opinion is equally strong against the fattening of hay from our salt marshes. This experiment does not show much profit, but it proves a fact of importance, especially to farmers, in the use of salt-hay; and they can raise turnips by their own labor, and thus fatten their eattle intended for the shambles, avoiding the payment of money for eorn or other expensive feed.

Yours with respect,

SETH SPRAGUE.

Duxbury, Mass., Sept. 30, 1854.

For the New England Farmer.

CHEAP AND EXCELLENT CANDLES.

Mr. Holdbrook: —The following receipt I copied from a newspaper, some twelve months since. have tried it twice, and find it all that it is cracked up to be. I have no doubt that it would have been worth more than \$20 to me if I had known it twenty years ago. Most farmers have a surplus of stale fat and dirty grease, which can be made into good candles at a trifling expense.

I kept both tallow and lard candles through the last summer, the lard eandles standing the heat best, and burning quite as well, and giving as good a light as the tallow ones. I have never seen it in the New England Farmer; perhaps it has been published there, notwithstanding.

I submit the following directions for making good candles from lard: For I2 lbs. of lard, take I lb. of saltpetre and 1 lb. of alum; mix them pound into the lard before it is quite all melted; his Library, with so uniform satisfaction. let it simmer until the water is all boiled out, or till it ceases to throw off steam; pour off the lard as soon as it is done, and clean the boiler while it Albany Cultivator-still continued in connection is hot. If the candles are to be run, you may commence immediately; if to be dipped, let the lard cool first to a cake, and then treat it as you would tallow. Respectfully yours,

Alanson Parmelee Wilmington, Vt., Nov. 11, 1854.

BRILLIANTS.

A POET'S EPITAPH.

Stop, mortal! here thy brother lies, The poet of the poor; His books were rivers, woods and skies, The meadow and the moor : His teachers were the torn heart's wail, The tyrant and the slave, The street, the factory, the jail, The palace—and the grave Sin met thy brother everywhere ! And is thy brother blamed? From passion, danger, doubt and care, He no exemption claim'd. The meanest thing, earth's feeblest worm, He fear'd to scorn or hate; But, honoring in a peasant's form The equal of the great. He bless'd the steward, whose wealth makes The poor man's little more; Yet loath'd the haughty wretch that takes From plunder'd labor's store, A hand to do, a head to plan,

Tell man's worst foes, here lies the man Who drew them as they are. EBENEZER ELLIOT.

LUTHER TUCKER, ESQ.

A heart to feel and dare-

J. Ambrose Wright, Esq., Editor of the Prairie Farmer, published at Chicago, and one of our excellent agricultural publications, indulged himself during the past summer in some rambles, and has given graphic sketches of some of the men and things which he saw. We only regret that his intention of visiting Boston was interrupted, and we lost, what we should have gladly claimed, a share of his time.

Among other persons whom he mentions as engaged in the work of agricultural progress, is the gentleman whose name stands at the head of this article. He says:

"I have already mentioned that I met Luther Tucker at Albany. Mr. Tucker is I believe the oldest living publisher of Agricultural papers in the United States. Certain it is, that no man in this country, if anywhere else, has given to the world so many issues of this kind, of such uniform and enduring value. His old Genesee Farmer, published at Rochester, and of which he put forth, if I recollect right, some dozen volumes, was a paper of mark in its day, and has been the real parent of the whole Northern broad of similar name and purposes. Notwithstanding the great reputation of Judge Buel's Cultivator, that paper rose at once in value upon Mr. Tucker's connection with it; and to this day it has never had and pulverize them; dissolve the saltpetre and any rival, which one can from month to month alum with a gill of boiling water : pour the com- turn over, and then put away to be bound up in stir the whole until it boils; skim off what rises; T. made his editorial beginning with a political paper, having been educated a printer. From this he published the Genesee Farmer; then the with the Country Gentleman, which latter at this time is his real paper—the Cultivator being made up from its pages from month to month. In addition to these, The Horticulturist, edited by Mr. Downing, passed through seven volumes in his hands. It is as a publisher, as much, if not more,

than an as editor, that Mr. Tucker excels. In the dust must be placed on the ground inside the box, uniform correctness and neatness of his publica- to the depth of one foot, and over this place loose tions, together with excellence of materials, no boards for the ice to lay upon. Cut the cakes of one has ever long come up beside him. It was ice two feet square, and build a tower of ice six our opinion when he started his "Country Gen-feet square in the centre of your box, (or ice-tleman" that he had made a mistake in his title. house, we will now call it,) by laying the cakes We rather think that to be now Mr. Tucker's opin-compactly together, filling all crevices with sawion also; though it is a popular paper, and is dust as you proceed. We have now a cube of ice, steadily growing in public favor. He was led with a space all around, between the ice and the to this title by Mr. Downing, whose idea it was, planks. Fill this space with sawdust, and cover the and whose esthetical preferences led him away top of the ice with the same, eighteen inches deep, from the masses of the people.

past middle life—say near 50 years of age—about side which is ten feet high should not be boarded five feet ten to six feet in stature; of spare, tem-up, but left for ventilation, and a place of access perate and correct habit, and of decidedly nervous to the ice, and this aperture may be enlarged as temperament. He still labors day by day, at his convenience may require, while using the ice, and editorial desk, where he is now aided by a son, for more conveniently filling in. About eight late from the halls of old Yale, and to whom are hundred feet of lumber will be required, and the now committed the Fireside pages of the "Coun-merest tyro in the use of tools can make it. Fresh try Gentleman." J. J. Thomas, who has the sawdust is best, but it may be used a second wincare of the Horticultural Department, resides at ter. The dust can easily be washed from the ice

Macedon.

ICE HOUSES.

Ice is no longer considered an article of luxury, merely, but one of healthful economy; it is ia, but disliked the institution, and when let cheaply and easily stored and preserved when the alone opposed its exertion. Thus in I803, when right methods are pursued, and to those who as chairman of the committee which reported upmake it a matter of merchandize, one of considerable profit. The letter below will speak for it-nance of 1787, he puts the question upon a states-

Mr. Editor:—The ice house that I built three and comprehensive argument: years since, keeps ice the entire year. It stands on the north side of my wood shed, and is made Ohio sufficiently evinces, in the opinion of your by setting a frame about ten feet square into the committee, that the labor of the slave is not necground, a plank set up on the outside, and dirt essary to promote the growth and settlement of thrown in to hold them up to the frame. The colonies in that region. That this labor, demonbottom is covered with a lower floor, the sides strably the dearest of any, can only be employed and roof made of rough boards, the sides being to advantage in the cultivation of products more open as a common barn, with a covering of straw valuable than any known to that quarter of the on the ice. Most of the ice houses in this vicin- United States; and the committee deem it highity are made too close, which causes the ice to by dangerous and inexpedient to impair a provision melt; the air should have free circulation through wisely calculated to promote the happiness and the building. I think the plan much better and prosperity of the north-western country, and to cheaper than to build them above ground; mine give strength and security to that extensive froncost about ten dollars.

Respectfully yours, C. S. Hamilton.

Hartford, Ct., Nov. 21, 1854.

Mr. E. MARKS, in a late number of the Rural New-Yorker, gives the following directions for manumitted and provided for hundreds which he making a small ice house, which is pretty much held. But he was against foreign interference on the same plan as the above, though perhaps not so durable.

seven feet high, and the side directly opposite ten holder" would be reproachfully used, he would feet high. This gives a roof eight feet long with a assume it, and refer to a member not in the parslant of three feet.

"It is well to have the roof boards extend over mentary title of "my fellow-slaveholder." And, the sides of the box. Double boarding with hem-in London, when the consignees of his tobacco, top of the ground, in a dry and shady place, where liberate his slaves, he quieted their intrusive phisurface water will not accumulate. No planks lanthropy on the spot, by saying, "Yes: you buy

om the masses of the people.

"Mr. Tucker is personally a man somewhat through the season. The upper three feet of the at the time of using.'

JOHN RANDOLPH.

He was one of the large slaveholders of Virginman's ground; and reports against it, in a brief

"That the rapid population of the State of tier. In the salutary operation of this sagacious and benevolent restraint, it is believed that the inhabitants of Indiana will, at no very distant day, find ample remuneration for a temporary privation of labor and emigration.

He was against slavery; and by his will, both with his rights, his feelings, or his duties; and never failed to resent and rebuke such interference. Thus he was one of the most zealous op-"Make a box eight feet square, by nailing hem-lock planks which are two inches thick, on to hemlock scantling. Let one side of the box be sown for high and the title like of the box be limentary phrase of colleague, but in the compli-

lock makes a sufficient roof. Set this box on the and the slave factors of his father, urged him to are needed on the bottom of the box, but saw-land set free to the amount of the money you have received from my father and his estate for these slaves and I will set free an equal number."

In his youth and later age, he fought duels: in his middle life he was against them; and for a while, would neither give nor receive a challenge. He was under religious convictions to the death of Decatur, to whom he was greatly at-of farm husbandry. tached, and whose duel with Barron, long and In our country this spirit of improvement, this greatly excited him. He had religious impressions, and a vein of piety which showed itself haps been more apparent than in any other part more in private than in external observances.—

Ile was habitual in his reverential regard for the and happier results. One of the evidences of this Shakespeare were, in his later years, his constant companions—travelling with him on the road— Agricultural organizations and eattle shows remaining with him in the chamber. The last serve to awaken the attention of farmers to the him read the chapter in the Revelations (of the aid which the latter can contribute to the success opening of the seals,) with such power and beauty of voice and delivery, and such depth of pathos, that I felt as if I had never heard the chapthos, that I felt as if I had never heard the chapthos.

I believe it is now generally conceded, by most thos, that I left as it I had never heard the enapter read before. When he had got to the end of
good farmers, that horse power and labor-saving
the opening of the sixth seal, he stopped the
machines may be introduced with advantage and
reading, laid the book open at the place on his
breast, as he lay on his bed, and began a discourse
upon the beauty and sublimity of the Scriptural
est ties of interest, and the same stimulus which
withing convenient to which he caveled all promotes the absence of the the images presented by the opening of the seals, the averred that their divinity was in their sub-limity—that no human power could take the same images, and inspire the awe and terror, and

The plow is the most important implement used sink ourselves into such nothingness in the pres- on the farm, and great improvements have been lime feelings which they inspire.—Benton's Thirty Years.

HOW LONG IT TAKES TO GET AP-PLES.

Mr. Buckminster, Editor of the Ploughman, in a recent editorial says-

ago, in our orchard in Framingham. Some of these (the Baldwins) bear fruit this year. One has borne thirty-seven good apples. People may examined somewhat carefully their various merits, preach about waiting 20 or 30 years for a young and have come to the conclusion that there are orchard to come to bearing—and they must wait none in use better than the square and improved if they procure good-for-nothing trees and set them in a good-for-nothing soil. But why not The roller I consider a very valuable article. give young trees a chance to grow?"

orchard that trees of three or four years of age, light, loose soil around the seeds sowed, they will handsomely headed in the nursery, would prove be more likely to germinate; by making the earth the most profitable, although costing something compact, also, at the surface, insects will be in a more than younger and smaller ones at first. more than younger and smaller ones at first.

For the New England Farmer.

AGRICULTURAL IMPLEMENTS.

REPORTED TO THE CONCORD FARMERS' CLUB, BY

Agriculture, being the mother of the arts, and contruy, but finally yielded (as he believed) to the chief reliance of civilized man for the means an argument of his own, that a duel is a private of subsistence, and its operations having been, in war, and rested upon the same basis as public a great degree, dependent upon the application of war; and that both were allowable when there muscular strength, it has naturally followed that was no other redress for injuries. That was his man's inventive genius has been more or less enargument; but I thought his relapse came more gaged, during the last half century, in the imfrom feeling than reason; and especially from the provement of machinery, and all the implements

divinity of our religion; and one of his beautiful is, that during the last year one hundred and fourexpressions was that, "If woman has lost us par-teen patents have been granted for agricultural a fise, she has gained us heaven." The Bible and implements, twenty-seven of which were for har-

time I saw him (in that last visit to Washington, accessity of employing all the aids which mechanafter his return from the Russian mission, and ical skill and invention can supply, and thereby when he was in the full view of death,) I heard increases the demand for that skill; and every

writings, compared to which he considered all promotes the advancement of the one, operates human composition vain and empty. Going over equally to the advantage of the other. It is this

ence of the "wrath of the Lamb" that he want-made in this article within a few years, especially ed no proof of their divine origin but the sub-in the draft, and in its adaptation to subsoiling. The double, or sod and subsoil plow, as it is called, I consider one of the best implements now in use, and I think that any farmer who has witnessed its operation, cannot but be convinced of its great utility and importance.

Another indispensable implement upon the farm, and one of great utility, is the harrow. This naturally follows the plow, and perhaps "We have three hundred trees set, two years ranks the second in importance. There are many

The roller I consider a very valuable article, especially on light soils. Among the advantages The trees spoken of above, are very handsome, and promising, and we think an examination of them would satisfy a person about to plant an exclusion of the plant and the property of these or four years of the lumps of earth, and, by pressing the condition of the property of the plant and the property of the property o

in from one to six sections. For common use, I milk. should select one made of wood, with two sections feet in diameter.

The horse rake, in its various forms, has proved itself of great service. With a good mowing does she mean?" I said to myself. I inquired inmachine and a good horse-rake, it would seem to the matter, and found she had been "bating" that the laborious task of haying might be con- the eow. verted into a pleasant amusement.

There are many other implements which have often told you never to strike her.' been recently introduced, and which promise to be valuable aids to the farmer. Among these are she would give down her milk."
the reaper, horse-drill, horse-hoe, &c. So poor Whitey had a beating, and Bridget

many of the smaller and more common imple-which I had frequently heard, but which she enments, such as shovels, forks, hoes, &c. It is tirely misunderstood. If I had told her to give probably safe to say that double the amount of the cow a "mash," she would probably have labor can be performed, in a given time, with known what I meant. such tools as we now have at command, than with those used in by-gone days.

its various bearings upon the labors of the farm, Mooly was not slapped, she stood still, and gave is, or should be, one of much interest to every down her milk, Bridget wisely concluding that good piece of work without good tools, therefore the mouth.—American Agriculturist. parsimony in this matter is bad economy.

In no way can a farmer contribute more to his pleasure, comfort, or success, than by a liberal and judicious expenditure for implements.

WHAT WILL MAKE A COW GIVE DOWN HER MILK?

The inquiry in the American Agriculturist, "What will make a cow give down her milk?" reminded me of an incident in my own expe-

We have a fine cow, which goes by the name of Whitey, on account of her color. She gives a large quantity of milk, and of superior quality. Her only fault is, that she is rather too intelligent, and knows too well how to look out for her own interests. She is evidently in favor of bovine rights, and has no idea of submitting, against her judgment, to the control of man and woman. There are besides the commercial and the careenshe ean let down the bars of the pasture very ing harbors, and outside the entrance is the quanicely, if there are no precautions taken to prevent it; and if the fence is not "legal," she does not consider it worthy her regard. She understands the mysteries of latches and hooks; and, if she has a calf to look after, she knows very well how to retain a sufficient portion of her milk for its nourishment.

Bridget had been with us several weeks, and I had always given her particular instruction to The largest, Fort Nicholas, mounts about 190 treat the cow gently, and never strike her. One largest, Fort Nicholas, mounts about 190 treat the cow gently, and never strike her. One day she came to me, and told me that Whitey would not give down her milk. She had tried for some time, and could not get a "sup." I had known the cow so long, that I had learned if she was coaxed with a bucket of delicacies, she would for a time forget her calf, and not refuse to yield her milk

"Unto the milkmaid's hand; while in regular cadence Into the sounding pail the foaming streamlets descended."

she would have no difficulty. She went out, and fortifications were heavily armed. pretty soon came in again.

constructed of both wood and iron, and are made quired, expecting her to show a pail of foaming

"Oh, ma'am," she answered, dolorously, "I of about two and a half feet each, and about three slopped her all about the barn-yard, and could get nary a drop."

"Why did you do that?" I asked. "I have

"But you said, ma'am, if I would slop her.

Valuable improvements have also been made in had no milk, because I had used an expression

After suitable explanations, Bridget tried a third time, and with much better success. She The whole subject of farm implements, in all prepared some food which the cow liked, and as farmer. No farmer or mechanic can perform a the way to a cow's heart, as to a child's, is through

THE CITY OF SEBASTOPOL.

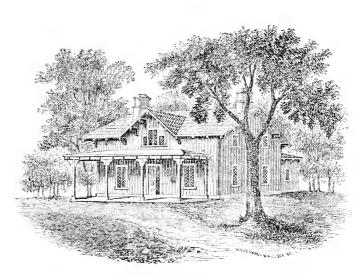
The best description, which we have seen, of the defence of the city and port of Sebastopol, is one given by Mr. Scott, a late English traveller. who gives the results of his own observation .-The port consists of a bay, running in a south easterly direction, four miles in depth, a mile wide at the entrance, and narrowing to a quarter of a mile at the end, where a small river enters it. It has an average depth of water of about eight fathoms; the bottom being of mud in the centre, and of gravel at the sides. The military harbor, where the Black Sea fleet is moored in winter. and where the largest ships may lie with all their store on board, close to the quays, is a mile and a half long, and a quarter of a mile wide. It is land locked on every side. On the east side, near the entrance fare the naval arsenals and docks. rantine harbor.

The port is defended on the south side by six principal batteries and fortresses, mounting from 50 to 190 guns each; and on the north by four with 18 to 120 guns each; and there are many small batteries in addition. The fortresses are built on the casement principle. Three of them guns. Mr. Scott by great interest obtained permission to enter this port. He counted 186 guns. It is built like all other forts, of white limestone: a fine sound stone, which hardens by exposure to the air, and is very durable. Between every two casements are furnaces for heating shot red hot. Mr. Scott measured the calibre of the guns and found it to be eight inches, capable of throwing shells, or 8 lb. solid shot. We could not say whether all the guns in the fortress were of the So I told Bridget if she would "slop" the cow, same size but it was his belief that most of the

At the time of his visit, there were not more "How have you succeeded this time?" I in-|than 850 pieces of artillery defending the fort to-

ward the sea, and of these about 350 could be Mr. Scott remarks also that the fortresses were vantage of to make it one of the strongest that strong enough to inflict some amount of injury can be imagined. The work, however, of the on an attacking fleet before their guns could be si-consummated fortresses, he says, is badly con-lenced; and in addition to these pieces, which now other governments, has been defrauded to a great not more than five and twenty of which are heavextent in this manner.

concentrated on a ship entering the bay. The po-found defective in ventilation, to remedy which, sition is admirably adapted by nature for strength some alterations were subsequently made, but adtowards the sea, and it has been fully taken ad-mitting all these defects, he adds, they are still structed,—the work being carried on under a may number 950, there are 500 guns of large Russian engineer, whose object was to make as calibre in strong open batteries, half of them much money as possible, and the walls are filled throwing shell and red hot shot, independently of in with rubbish. This is said to have been the mortars. If these forts can be silented by the alcase with the principal fortress at Bomarsund, lied fleets alone, without land forces (these reyet it is difficult to imagine that so costly and im- marks having been written before an attack by portant works as those at Sebastopol can have land was contemplated,) it would be satisfactory been in general constructed in such a manner, to know, he remarks, what amount of resistance though we doubt not the Russian, as well as most Portsmouth could make with her 70 or 80 guns, ier than 32-pounders.



BRACKETTED COTTAGE, WITH VERANDA.

The design here given, and the accompanying since in midsummer it is the resting-place, loungdescription, we copy from "Downing's Country ing spot, and place of resort, of the whole fami-description, we copy from "Downing's Country ing spot, and place of resort, of the whole fami-ly, at certain hours of the day. It is not, how-ever, an absolute necessity, like a kitchen or a ience with something of elegance and taste It may cost no more to combine these qualities than to employ any considerable feature not entirely to build without them. He says :-

mestic enjoyment than cottages of this size usual-to paint a log-hut, or gild the rafters of a barn. ly exhibit, are the characteristics of this design.

is conveyed in the veranda or piazza. In a cool the principle is to get as large an amount of conclimate, like that of England, the veranda is a venience and comfort in every-day-life as possible, feature of little importance. But over almost the and leave the rest to take a secondary rank. whole extent of the United States, a veranda is a

ble to many who would be glad to build if a bed-room, and, therefore the smallest cottages, proper design were presented them, one coming or those dwellings in which economy and utility within moderate means, and combining conven- are the leading considerations, are constructed build without them. He says:—

"A pleasing, symmetrical form, some picturplace. To decorate a cottage highly, which has esqueness of roof, united to considerable simplici- no veranda-like feature, is, in this climate, as ty of construction, and an expression of more do-unphilosophical and false in taste, as it would be

"Accommodation. The interior of this cottage, "The larger expression of domestic enjoyment gives a neat and pretty parlor, of 14 by 20 feet;

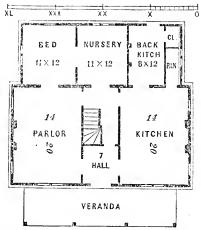
"Hence, the kitchen, bed-room, nursery, and positive luxury in all the warmer part of the year, back-kitchen, the scene of a good deal of the dai-

the first floor, and all close together. The last room. three of these are economically obtained by putting them in a one story wing added to the rear the stairs, which is intended to serve as the exof the cottage; and though the rooms thus aftreme limits of nursery excursions, on all occa-forded are not large, yet they are large enough sions when decorum in the parlor is the order of when they are to be kept in order with very little the day, The door here, as well as the front door, "help."

ing and eating room of the family, and in order closed. that it may always be kept neatly, there is a small back kitchen adjoining, with its separate flue for a small range or cooking stove, so that all the rougher work can be done there, which makes the now than for several years past.

ly life of the mistress of this cottage, are all on larger kitchen, usually, a pleasant family dining-

"There is a partition across the hall, just by should have the two uppermost panels glazed, so "The kitchen, in this plan is properly the liv-as to light both parts of the hall when they are



GROUND PLAN OF BRACKETTED COTTAGE WITH VERANDA.

NO COMFORTS---THE SECRET.

A few days since we were in one of our lower valleys, and while in conversation with a few cultivators and their families, we heard continually of the poverty of those who were engaged in farming. All manner of complaints came from the families of their want of the ordinary comforts of life. One good and industrious wife remarked that she would like to live here it she could have those necessary comforts that make grain, eattle and horses; but she had no garden, ens, no cow; in fact she had but little or none of the "abundance which the earth giveth." the comforts she thought ought to be had around a place where one lived. Upon an inquiry of the farmer how he was getting along-"well, he was trying hard to get enough to take him back again; he had not done much this year, he lad the present heterogeneous mass now make, whose only made about five thousand dollars.

Here is the secret; a class of men who are farming to make money, living to make money, not making it to live; and while they are doing well they deprive their families of the ordinary

what relates to a home here, but are continually unsatisfied themselves and making others so, unless they can hoard up gold.

We believe this class of farmers are the incumbus upon the soil, and the quicker all get rid of them the better; and we believe the present embarrassments that rest upon the interests of Agriculture result from this very class of men. What California wants, in and among Agricultural districts, is homes, where the chief aim life desirable; she did not like to live as she did. Her husband was always complaining of hard times and of scarcity of money, that he could not get along, and that he would never get enough to go home with. For her part she did not like to live so. They had plenty of land and grain, cattle and horses: but she had no garden be a spirit of complaint or marmoring last upon be a spirit of complaint or murmuring, but one no wash-house, no wood-shed, no hens or chick-continued hymn of rejoieing and thankfuluess for

When such a spirit prevails it will be emanations from an enlightened body of men, who will then understand their own employment, and understanding it, they will avoid the mistakes which only aim is to make money-home or no homewhich must ever result in ruin to themselves and all connected with them .- California Farmer.

At the close of the current year, it is stated, means and comforts of life, filehing the treasures the treasury of the State of Missouri will have on of earth to carry away. They feel no interest in hand the handsome surplus sum of \$400,000.

For the New England Farmer.

FALL PLOWING AND THE CUT-WORM.

Mr. Editor: - I see, by one of your late papers, that there is some little discussion on the subject of fall plowing, and being in favor of it, I worm was very troublesome, sometimes destroying ments. whole crops in spite of all his efforts, (and they were not small.) but he never plowed in the fall. Since I came in possession of the farm, and practised fall plowing, I have never lost a crop by the plowing was done late.

setting in while I was about it. The land of which I speak was all under the same cultivation; the part plowed in the fall made 24 rows, plowed was 8 rows, from 3 to 6 rods long, equal to 36 rods of one row. The land was plowed and manured all alike in the spring, and set with tomatoes at the same time, and on the 36 rods I over the ground every morning, and kill the worms, and reset all missing plants at night, and I kept an account of the whole transaction at the time, but it is several years since, and I have forgotten the exact number. I have been particular in making the account of the rows, as I have had tomatoes on the same land this year, and make my calculations by the rows the present year.

Yours, &c., B. F. CUTTER. Pelham, N. H., Nov. 27, 1854.

ORGANIC AND INORGANIC MATTER.

comprehend the precise meaning of the terms "Or- | wheat he will detect lime, flint, and a portion of ganie" and "Inorganie," as applied in agricul- clay. His Indian corn, a crop in which he justly ture. They are at a loss where to apply the glories, contains also the same materials though proper distinction which they suppose ought to differently modified in combination, and so do be observed in judging of the two forms as they most of the grains he cultivates. All vegetables occur in nature.

All living animals and plants, and their careases, when the vitalizing principle of life has left tant that he should understand how he can best them, are composed of organic or organized mat-supply them by animal manures, or mineral apter. These are readily distinguishable from inorganic matter by a structure visible to the eye, as supply them in the soil itself. Animal manures observable in the fibres of hemp and flax—the po-contain these mineral ingredients in a soluble rous structure of wood and flesh, and the more state, and consequently in a condition the most complicated texture of hide and hair.

-all things, in short, that do not live, which neith-lated by the vegetable organism, until its texture er are nor have been the medium of vitality, are has been broken and modified by the solvent acto be included under the general division of inor- tion of water. ganic matter. Plants and animals of whatever description, are composed mainly of the four prin-trelationship, and constant interchange between

cipal elements—earbon, oxygen, nitrogen and hydrogen. When either amimal or vegetable matter is burned, it loses its texture and disappears, leaving behind only a slight residuum of ash.

The substances above named, being derived from propose to speak of at least one very good reason the atmosphere, are released, and are termed orwhy it should be practised. I allude to the ganic elements, or constituents. All the multidestruction of insects in general, but to the farious forms and mutations observable in the andestruction of the cut-worm in particular. The imal and vegetable kingdoms, are attributable to farm I live on is the one which my father october the about the appropriate the about cupied for more than forty years; it is of a light, the chemical combinations, through the operasandy loam mostly, and during his life the cut-tion of the vital principle, of these primary ele-

Vegetable oil and starch, sugar and animal fat, are, by fire, resolved into their original elementsearbon, oxygen and hydrogen. These, with all worms, or been troubled, to any extent, if the substances of a similar nature, or character, are the result of, and derived wholly from organized I will give one instance, where a small part of matter. Wood, burned in the open air, has its a field was left unplowed on account of winter organic constituents dissipated; the inorganic particles only remaining. In the ashes may be detected magnesia, lime, silex, potash, oxide of iron, 16 rods long, and 10 rows from 16 to 10 rods, &c. These latter constitute the inorganic parts of equal to one row 514 rods long; the part not fall-the vegetable system, and are derived from the soil. It may be proper here to observe, that there are many organic substances in which no structure is visible. Gum, sugar and starch, are all lost more plants during the season than on all the found in plants, and yet are deficient in pores and rest of the 514 rods. It was my practice to go fibres; but being produced by the natural operation of living organs, are included, with propriety, under the head of organic matter.

It would be well for our farmers if they could analyze their crops and soils on which they are produced. Few, however, are competent to do this, and much therefore, remains enigmatical and unexplained. But as time advances, and science diffuses light over the earth, these mysteries will gradually pass away; and the farmer will then discover that when he gathers in the rich fruits of his industry in the fall, he collects together a Farmers frequently remark that they do not portion of what was his soil at seed time. In his must have a certain proportion of mineral matter to perfect them; and it it consequently imporplications where there is a deficiency of power to perfectly adapted for immediate appropriation. Rocks and soils—the waters of lakes and oceans No particle of matter can enter into, or be assimi-

Thus, it will be seen that there is an intimate

the animal, vegetable, and mineral kingdoms, and | principal ingredients that are wanting, they are the more perfectly we comprehend the laws of both cheap and easy to be obtained. At any this union, and the phenomena to which it gives rate, the crop is worthy of more attention than rise, the better shall we be prepared to avail ourselves of the riches and emoluments which nature so prodigally holds forth as an encourage-treated very shabbily; but, as the straw has got ment to enlighten toil.

We should ever bear in mind the important fact that manures are endued with different degrees of energy, partly from their innate richness, and partly from the facility and promptness, with which they part with their fecundating particles to the soil, and to the roots of plants. These are given off only in solution, or in ærified bodies, (gas,) the first taking the name of liquid manure, which penetrates the soil and is absorbed by it to many people. The first is the quantity of seed to feed the roots of the crop, and the other as air, be sown per acre. I hold that two bushels per which, if not absorbed and fixed by some sub-acre is enough for any land where there is grassstance for which it possesses a strong affinity, will pass into the atmosphere and be lost. It will hence be seen that the art of manuring consists not so much in the liberality of your benefactions to the soil, as in the competency of the measures we adopt to prevent the escape of the young grass survives until harvest, and it is then soluble and gaseous products of the matters applied.

more than one-half of all the active nutrimental matter formed by the consumption and decay of organic substances, is wholly lost in consequence of the imperfect habits of our farmers in applying wheat and rye. them. This is, indeed, an important consideration, and no one who contemplates it philosophically, will find cause to question the verity of the remark above quoted.

For the New England Farmer.

GRAIN CROPS.

REPORTED TO THE CONCORD PARMERS' CLUB, BY JACOB B. FARMER.

For many years past, it has generally been thought that wheat could not be raised in New day evening, a man who gave the name of Wil-England; but this I believe to be an error. For son, was found upon the track of the Boston and the past two years I have tried the experiment, Worcester Railroad, near Auburn Dale, in a and have succeeded better than I expected to, wounded condition, his nose being badly mangled, raising twenty-eight bushels of fine wheat on about one and a half acres. This is a greater number of bushels than I have ever known to grow of rye, on the same ground, in any one year for the last forty years, it having been sown seen upon the top of the cars, and it is supposed many times within that term. The soil is a very that this was Wilson, and that he was knocked light, sandy loam, well adapted to the growth of rye. All the manure for the wheat consisted of two loads of meadow mud, two casks of lime, two casks of plaster and five or six bushels of hen manure, well mixed and sowed broadcast, cover.—Traveller. and cultivated in with the wheat. I think it will not be amiss to state here that there was a part of the ground that had none of this compost on it, and it had next to no wheat on it too. I am satisfied, from the experiments that I made, that the ground on which it was sown was deficient of in place of the structure recently consumed by lime and plaster to a great extent; if these be the fire.

has hitherto been given it. The variety is what is termed "the blue stem winter wheat.

Rye is a crop that, as a general rule, has been to be so valuable now, it is considered worthy of better treatment. I believe there can be but little dependence placed on any soil (unless it contains considerable sand,) for a crop of rye, except what is usually termed burnt land. Now, whether the application of ashes to the soil would render the crop as certain on all lands as the burning of brush does on new land, or approximate near to it, is a question I cannot answer,

seed sown; if there is more than that quantity sown, the young grass is killed in about the same proportion to the extra quantity of seed sown, (without a corresponding increase of grain,) by the oats lodging, shading, and exhausting the soil of moisture. If the season is such that the any way warm and dry, it will then perish like luble and gaseous products of the matters apied.

dew before the sun. The other point on which I differ is the time of harvesting. My rule is to harvest when the oats have turned yellow about half way down the head; at that time they will not shell by cradling; the oats are brighter, and the straw is worth nearly donble for stock; this rule will hold good, to a certain extent, both with

As for barley, I never could raise a remunerating crop; whether from the want of knowledge in enltivation, or adaptation of the erop to the

soil, is more than I can say.

On all these crops I would recommend, in all eases, more manure and better cultivation, and with these the cultivator will find a largely increased profit.

Concord, Nov., 1854.

Accident.—Between five and six o'clock Monday evening, a man who gave the name of Wil-

We learn from the Concord Patriot that

A HOME IN THE COUNTRY.

We copy the following from the Country Gentleman. It contains so much sound, common hens, ducks, pigs; raise a great variety of vegesense, that we wish every business man of the city to read it :

Hundreds of good-hearted men are toiling severely in our large cities, wearing out their bodies and brains in the hopeless endeavor to acquire abundance at the first cost of raising them, for which they may support their families and themselves in the decline of life. Their families are with—a luxury you seldom dare to indulge in already expensive, and, anidst the vicissitudes of trade and husiness, how rarely is the wished-for happiness accomplished. It costs from \$800 to \$1,200 per year to support a family of five or six penditures for living to lay by, or pay off the children, in genteel position, in a city, and it mortgage, or improve the farm. If you have no family and it has a least \$60,000 of positive cash to family on the farm, you may have plenty of it by children, in genteel position, in a city, and it would require at least \$20,000 of positive cash to do this without the aid of a business income. To support the family, then, and lay by enough to farm a moderate fortune, within the number of years that a man may reasonably count upon being successful in business, is evidently a hercule an task, as times go. I know many men, in a good business position, with \$10,000 worth of stock on hend in their stores, a good credit, and yeary free bank accommodations, who cannot support their families in the manner described, for three years in succession, and find themselves \$500 thetter off at the end of that period. They have better off at the end of that period. They have ing your place two or three times a week, or offirst a good year, and make \$1,500 or \$2,000, and tener if convenient, and spending the Sabbath in then a bad year, and lose two-thirds of former accumulations. And so it goes. They are absorbed in business, they find no time for study or relaxation, the mind becomes fallow, and the body have little trouble about the working of your relaxation. loses its vital spirit, and disease and misanthropy place if you give your farmer a per centage on follow.

Now, to such persons I wish to suggest a means works. Only remember this—get a good man, of becoming independent in a very few years—and one who thoroughly understands his business. that happy result which teazes and puzzles the \$200 of this, or less, according to your age, and get an insurance upon your life for \$5,000, for the benefit of your wife and children. Make it a perpetual insurance so that your policy shall not off one-half the farm and pay the mortgage if it perpetual insurance, so that your policy shall not is not paid, and have the best half of the farm, run out, and the premium be raised; pay the first and all the eash left. If you have no sons, and year down. Then look about you, and find a your wife is not skilled in business, that would small farm, near the city where you reside, worth, say \$4,000 or \$5,000. Let it be on a river or a good garden, plenty of fruit, a cow, a rig. its soil, and as pleasant and attractive as possible; are a hundred other suggestions which rise to my let there be plenty of good water, and a little stream if possible; a small pond, and a grove of shade trees and other natural advantages and naterial leaves if such ear be found. If there are ural beauties, if such can be found. If there are why, then, toiler in the city, wait till you aefruit trees, strawberry beds, &c., upon the place, so much the better; if not, let the cheapness of the land and its undeveloped natural advantages decide you; send your family to this place (provided, always, your wife takes a fancy to go); hire a gardener and farmer who understands his business, and pay him two-thirds the ordinary sulary, with the addition of five per cent. of all the cash proceeds of the place he can obtain, by sending

to market the produce of the place, in order to make him work and contrive how he can best and quickest make a fair salary. Keep horses, cows, tables; have an ice house, if you can get ice; and now let us see where you are. Are you not independent?

Milk, eggs, butter, and fresh, sweet vegetalles are luxuries in town-and these you will have in what is called "a fortune," upon the interest of you pay your farmer no five per cent. on these, which they may support their families and themsales, for I have tried the plan and know how it

Now where are you? Are you not independbrains of so many ambitious mortals. We will ent! If you die, and keep up the life insurance say that you are in successful business and can possibly save \$500 per year, or some years at least. Do this, and get together \$2,200; take \$200 of this, or less, according to your age, and the farm, to say nothing of your business. If you \$200 of this, or less, according to your age, and the farm, to say nothing of your business. If you but all your fruit and best improvements on one railroad, easily accessible from town, in about an hour's ride, without a horse and carriage. Pay down \$2,000 and give a mortgage for the balance; let the place be varied in the character of this can be done for \$2,000 to \$2.200. There

Why, then, toiler in the city, wait till you ac-

SPIRIT OF THE AGRICULTURAL PRESS.

ON BEAUTIFYING THE FARM.

Never was truer thought uttered, than this of the American Agriculturist, that "the time has fully come when our farms should cease to be regarded as mere manufactories of food and the raw material of clothing." It is commenting on an article in the November number of the Horticulturist upon "Parks and Pleasure Grounds for the Farmer," and says further,-" It is one of the great wants of our times that these farms should be turned into attractive Christian homes, where men and women shall not only work, eat, sleep and die, but where they shall enjoy life, as social and religious beings, and by loving and cultivating the good and the beautiful on earth, be fitted for the paradise of God. A man should no longer be considered a good citizen, who does not plant trees enough, and give time and money enough, to make his homestead so attractive that it shall retain some of his children to fill his place when he is gone. Multitudes of these old homesteads in the north are forsaken, mainly because there was nothing but the sternest utility about them, in the whole circle of the year."

Cannot those ingenious "statistical men," who tell us what the effect of occupation is upon the children stroll and store up unnumbered ideas of mind and duration of life, tell us, also, what the effect is of the agreeable and beautiful upon the many other classes enjoy the same opportunities, judgment, has swept away the finest forests in the and fail to reach as many years as the farmer. land. The "Capotoline Hill" at Washington, Is it not fair, then, to suppose that the constant was covered with noble and majestic oaks when impression upon the mind of the wise and benefi- Washington planned the city, and when the founcent provision in the changes of the seasons, in dations of the Capitol were begun. But ruthless their varied aspects, the ever-varying landscape, hands were laid upon them, and with blind fatuoccasioned by heat and rain and frost, the won- ity, one after another, their towering heads were derful instincts of animals, of birds, and insects, levelled in the dust, and now it will require a coming to the view of the farmer as they con- hundred years, together with a liberal portion of stantly do, have a healing and saving influence the treasure of the nation, to remedy the evil. So upon his mind? What orator ever forgot the on most of our farms, the beautiful forest trees inspirations he found in nature's grand eathe- were all cut where the buildings were to be erecthabits of bandits and freebooters, the erop of something more of the useful and the beautiful ideas which follow will be quite likely to partake combined. of the character of those seenes. On the other hand, if the home of the farmer is surrounded by something of the tasteful and beautiful, in the just discussed. "A New Englander, near Clareway of lawns, groups of trees, shrubbery, and mont, N. H." has published in the G-rmantown occasional paths, borders and flowers, kindred Telegraph an article on the subject of thinning

sentiments will be established in the minds of those mingling in such scenes, will grace and dignify the fireside, the pulpit, the bar, or Senate chamber in maturer life, and awake in others a higher appreciation of the beautiful.

There is a taste for the beautiful in every culti-The farmer shows it when he vated mind. turns out his noble pair of Devons, or his Jersey heifers to the wondering gaze of his neighbors; or points out the graceful curves of his polished plowshare, or the exact lines of his recentlyturned furrows. His wife and daughters manifest their taste of the beautiful in the neat lawn, 40 by 80 feet in front of the house, the groups of maples and birehes, the shrubs and flowers, and the noble elm standing in the centre as the presiding genius of the whole. A few flowers in the window, a rose-bush under it, or the Ampelopsis or Bignonia over the porch attract and gladden the heart of the traveller, so that he goes on his way with kindly thoughts of his own, and of that home where he saw the evidences of a love for the beautiful. Then, where there is land enough, why not extend these ideas, and let them expand over several acres and call them a park, where the best sheep and cows and calves may graze,and which will afford equal profit with any other acres on the farm, -where friends may visit, and the useful and the beautiful?

It may be urged that there is no call for the temperament and longevity of the race ! It is a farmer to plant forest trees and form parks, common opinion that country life is largely con-either to please the eye or as a protection from dueive to health and happiness, and consequently sun and wind. But the objection would be to vigorous old age. But these cannot be im- without force in thousands of cases. A baleful puted wholly to exercise in the open air, for "spirit of utility,"-a spirit without foresight or dral, the forest, or the lessons in the stones or ed, and in their vicinity, leaving it open, bleak, running brooks that were familiar to his youth-and exposed to the full play of the elements; and ful rambles! The mind becomes deeply imbued this is the situation of thousands of our New by the seenes familiar to it in early life. If those England homesteads now. Is there not, then. seenes represent violence and vice, the home and good reason to introduce about these homesteads,

THINNING FORESTS.

This subject is the natural corollary of the one

forest trees, which we think ought to be placed eating teeth. The grain to be ground is placed on record, and give it below.

whether wood lots should be thinned! For my crushed between the spiral flanches of the conown part, I am now convinced, after no limited cave and the corrugations on the cylinders, and is reflection and observation, that they should not. I have seen a growth of wood, natural growth I them an, greatly and irreparably injured by it: and grass I can see no reason why our grain and grass

| Gave and the corrugations on the cylinders, and is can discharged, ground, by an opening in the end of the concave. This mill is now in use, and grinds four bushels per hour by one horse power.

| Scientific American. crops should not be sown thin, or thinned out by hand, as well as our woodland crops. The soil is generally found competent to support all that it puts forth, in the case of this class of vegetation, MONTHLY FARMER FOR DECEMBER. and the heaviest, tallest, and most majestic growth of wood and timber is always to be found ductions of the natural forest. I have spent many itself the poetic appellation of

"Land of the forest and the rock,"

pine, peering to heaven,

"Fit for the mast of some tall admiral,"

and the majestic oak, made the wilderness which had nourished them for centuries, tremble as they fell before the logger's glittering axe; and although I have seen the trees standing so compactly as to prohibit the passage of sleds, I have found that this closeness of growth was not, to all appearance, detrimental, but rather the reverse.

One thing impresses itself upon the mind of the beholder, as rather remarkable. I allude to the almost total absence of dead or decayed limbs on healthy, and to all appearances to remain so for, I have no doubt, hundreds of years to come. But as soon as man commences his presumptuous work of assisting nature in this department, she index to the sixth Volume.'—It is a laborious by the sound in the late to the Sixth Volume.'—It is a laborious by the make out an index to such a volume as the ceases, in a great measure, to assist herself; becomes diseased, with a morbid lassitude pervading all her system, and finally yields to the destroyer, whose kindness to her is death.

A NEW ENGLANDER. Near Claremont, N. H., Nov. 22, 1854.

of Troy, N. Y., which consists in the employ-ment or use of a corrugated cylinder and a con-cave and cap having spiral flanches and recipro-der that word, every thing that is mentioned in

in a hopper above the corrugated cylinder, and is Mr. Frees:—The question is often asked, the coneave described and the cylinder, and is Scientific American.

For the New England Farmer.

The title page and Index remind us that another growth of wood and timber is always to be found in new countries where the axe and smoke of civilized man have never been known. There seems, indeed, to be something contaminating and stultifying in his very presence to the beautiful productions of the natural forest. I have spent many a happy and laborious winter in the dim old us the "wheels of time fly swifter round," the woods of Maine, which may well appropriate to itself the next approximate the nex and instead of surrendering at the first summons of old age, bravely reply, like good soldiers,—"Come, and take us." Is it not as much the duand along the timber-tenanted shores of the lety of the old to preserve, as it is of the young to gended Songo and broad Schago, where the tall improve the mind? "Old men for counsel," is the dictate of prudence. The young and inexperienced need this, and they look to the pages of the Farmer for it. But they will not find it there, if old men, who naturally love quietude and repose, do not, like old Solomon, seek out and set in order, the proverbs of their experience. It is a common complaint that the sons of farmers are not satisfied with the business of their fathers. Is this strange? Think of the models that are placed before them. Plutarch's Lives! Any book of biography! Kings, Generals, Congressmen, Merchant Princes, -what "copies" these for almost total absence of dead or decayed limbs on the trees constituting these vast primeval forests. The farmer's boy! "Biography of American When a tree has completed its period of growth." FARMERS, Vol. 1." Although I have not yet seen When a tree has completed its period of growth, and lived perhaps for half a dozen centuries, it the Prospectus of this work. I have seen in the Prospectus of this work. I have seen in the Prospectus of this work. Farmer of this year what I hope will prove to be dies, decays and falls; but the younger and healthier trees are straight, sound in all their limbs, and furnished with a most beautiful profusion of foliage, and of the deepest green. 1 culture, and very brief notices of several men in have frequently passed through clumps of spruce, occupying acres, and all the trees of more than connection with statements of their farms. Here, medium size, where it was impossible to proceed may not have marched an army over the burning more than a few yards in a right line, the densences of the growth necessitating and literally company to the growth necessary to the growth neces sands of Africa, nor been Governor, nor made a pelling frequent divergencies to avoid the trees. You have a good home, have raised up and educated here had been no trimming or lopping—the growth was as nature produced it, sound and thing;—what have you done? Shall not the healthy, and to all appearances to remain so for, word Biography or Autobiography, have a place

job to make out an index to such a volume as the twelve monthly numbers of the Farmer make.-And the person who made the one before us, probably feels that no one ought to find any fault with it. But he will allow me to suggest what, for my use, would be an improvement. I should prefer to have every thing that relates to a few of the leading subjects, placed under their respective Grinding Mills.—An improvement in mills heads, so that when investigating any particular for grinding feed has been made by Amory Felton, subject, I should find in the index reference to evthe volume as useful for this purpose. Looking at the references under this word in the Index, New mode of grafting suckers of Plum, with a my first thought was that justice had not been recommendation of the Shad Bush as stocks for done to the Farmer, as there are references to on-the pear. In the Farmer for May, 1853, is an ly nineteen pages, while the subject is discussed article by Mr. Goodrich, of Burlington, Vt., which in nearer one hundred different places, all of to my mind conclusively demonstrates the fact which, it is true, may be in the index, but placed that the "whole family of thorns, mountain ash, under so many heads, as to be liable to be over- and shadberry" are utterly worthless for pearlooked, by one who has but a single evening to stocks. Has "Far East" read that article, and study manures. The objection to this system of what Mr. Burt says to the same effect, page 204, classification, that it requires much repetition, is same volume? How to manage "Cuttings of in my mind far outweighed by the fact of its con-Fruit Trees." To manure "The Blackberry." venience.

"Notice."—Hereafter we are to have no advertisements in the Farmer, and it it to be stitched in a neat cover. Thank you, Mr. Publisher, for that; it will keep our numbers clean, inside and,

out, for the binder.

"Maturing Plants."—Commencement of a restand them if we can.

who used it dry, had little."

But I must pass over the articles—"A Good The profit which attends the raising of higher Plow," "Agricultural Value of Railroads," "New breeds is far greater, and it ever increases the System of Preserving Meat," a chapter on "Feedpleasure derived from farming to have the stock ing Animals," "Wheat Trade" of England, and of a superior quality. several others, to ask the attention of all concerned to the suggestions on "Fair Premiums." fine sheep, it was stated that those from the United

proceedings and Premiums.

so great difference between the soil of Michigan voting to the raising of sheep. They prefer breeds State may be of little value as a guide in the oth-to a warm climate. It was supposed that Illi-er. I have seen herdsgrass growing rank and tall nois, which has a level lay of the land, was not all, in the surface soil that would yield fifteen or Eastern States, advanced materially in size and twenty bushels of wheat per acre without ma- weight from being introduced to rich pastures on nure. And plaster has an effect there very differthe prairies. The wool became coarser, but it ent from what it has here. Why and how it is increased in quantity. I do not know, and therefore will not undertake This important interest is now under full way to say.

Fruit.—Notice of fine apples from Canada. Two articles on "Grapes." A READER.

Winchester, Dec., 1854.

IMPORTATION OF ENGLISH CATTLE INTO THE UNITED STATES.

The importations into the country have become ply to a criticism on an article with this heading quite frequent and important. A few years ago that was published some time since in the Farm- the taste ran in a different direction, and blood er. As there is quite a scientific "snap" to these horses were all the go. Priam, Glencoe, Monarticles, we shall read them carefully, and under-arch, and horses of that stamp, were purchased in England at enormous prices-15,000 or 16,-"Is Farming Respectable?"—Well, now, that 000 dollars being paid for a single animal; but a is right to the "pint." If it is not respectable, fondness for racing has diminished, not only in old Massachusetts is a real know-nothing, for the Northern but also in Southern States, and electing a farmer Lieut. Governor. the importation of well-bred eattle, sheep and "Guano" -- Experiments in Orford, N. H., hogs, has been pursued with more ardor. Whofrom which it is inferred that "those who covered ever will compare our common native sheep with or applied it while wet, received benefit; those the improved breeds, will see at once an immense difference between them, and yet the care, atten-"Inquiry and Observation," must excite in every reader a determination to look closer into the no more than for those of higher grade. One is things about him, and to think deeper and more an ornament to lawns, an object of interest; the other almost a disgrace to the poorest farms.

To award a premium on agricultural implements States were the purchasers in the English marto the Bailroad Company that transported them to the place of exhibition, would probably surprise everybody; yet what superior claim has the mere dealer in such articles?

"Improved Windmills."—A few such dry sumpress the last will be extensively felt in the production of fine wool in the United States, and the manufacture of excellent woolen fabries. The vast extent of grazmers as the last, will make a demand for wind- ing land we possess in the northern and middle mills or some other pumping power.

States, makes the production of wool one of the "Forest Trees."—Two articles on saving and most important objects of industry. The Southsowing the seeds of forest trees.

"United States Cattle Show."—Full account of not suited for this business. The entire coast is proceedings and Premiums.

"Grass Land—Grass Seed," "What Boston has done for Agriculture," "Fall Plowing," "Gypsum," "Emery's Saw Mill," and "Best Method of Getting Corn and Hay" on wet land, bring us to an account of the wonderful effects of "Deep Plowing and Plastering" in Michigan. There is which enterprising citizens are engaged in degree of the control of the word of Michigan. There is which enterprising citizens are engaged in degree of the control of the word of flat and sandy, from Virginia to Texas, and from and of Massaeliusetts, that an experiment in one from Spain, owing to their supposed adaptedness from the earth thrown up in digging a well in suited to this purpose; but it was ascertained Michigan, while that grass grew but poorly, if at that sheep which had reached their growth in the

purpose, and it will make a great impression \$40 per ton, while he claims that his machine, upon the prosperity of the country. It is, how-ever, in the breed of fine cattle that we are likely men, will do the same work within at least from most to excel. Gentlemen having country-seats two to three days, at the rate of one ton per day. have shown a laudable desire to import the best Mr. C. has taken measures to secure a patent. stock, on the principle that a few good animals, in a country where labor is dear, are better than numerous poor ones, and that animals of fine shape and color are objects of interest in their lawns. The county of Westchester, especially, has become eminent for its numerous and superior of the Scotsman, will be read with interest by breeds of imported stock. Among the earliest importations into that county were some noble cattle from Holland. They were beautiful in shape, large, and good milkers. These have been crossed with the Durham, and a breed known as Dutch and Durham is scattered over the county. Old Mr. Barbeate, who lives these and who less that science sheds a climporiar record. Old Mr. Bathgate, who lives there, and who has crops, and that science sheds a glimmering ray of been engaged in this business for half a century, light upon the cause of these periodic variations, speaks of them as being among the best for milking. Stock of the Alderney, Ayrshire and Devon prove a correct one, we have just entered upon a breeds, have been imported by other gentlemen; tour or five years course of poor crops generally but importations of the Durham have been most over the globe; and consequently a season of cornumerous, and, where the pasturage is good, they responding high prices. The article is as follows: are considered the best stock, not only for the

all sellers. They need some mode of disposing bad one, or a series of good or bad seasons. Inof choice animals which will attract competition, telligent farmers generally believe that a course
and enable them to dispose of their surplus stock of abundant crops is pretty sure to be followed
without disadvantage. In England, the most by a course of deficient ones; but whether the fine stock as the best ornaments of their grounds. perhaps despaired of. Many citizens of public spirit in the United States have imitated this excellent example, and to the Academy of Sciences, on the culture of conferred very great benefit upon the country by wheat in France, supplies statistical facts of some their intelligence and zeal in this service. - N. Y. value bearing on this subject. They show that Jour, of Com.

For the New England Farmer.

MACHINE FOR PEELING WILLOW.

inventor, has had a machine made by which its quotes from Count Hugo the following table of merits have been fully tested; and all who have the average price of wheat for all France: witnessed its operation, agree that it does the work to perfection and with the greatest facility, and believe it to be one of the greatest laborsaving machines of the age. This, I believe, is the first machine ever invented for the purpose, either in this or the old country, and must add vastly to the cultivation of the article in this country. Mr. C., who has been successfully enyears, estimates the cost of peeling, in the or-excess of the one over the other:

in most of the States which are adapted to the dinary way, at from \$80 to \$120 per acre, or at Bolton, Vt., Dec., 1854. J. R. Jewell.

CYCLE OF GOOD AND BAD CROPS.

The article given below, from a recent number light upon the cause of these periodic variations.

The "uncertainty of the weather" has been a dairy, but also for the shambles. Col. Morris, subject of complaint to the husbandman from the president of the State Agricultural Society, time immemorial. Science has shown, however who resides there, has been very active in the that law and order prevail in many phenomena business of importing good stock into the country. once deemed to be under the blind dominion of His sales of cattle have attracted a great con-chance, and ingenious men have indulged the course of people, and large prices have been paid. hope that a key might yet be found to the irreg-It would, no doubt, very much advance the ularity of the seasons—not that we shall be able interest which gentlemen feel in this subject, if to prognosticate whether any particular day or annual sales were made of improved stock, at week will be foul or fair, but that we may have some convenient locality near the city, open for rational grounds for expecting a good season or a useful of the nobility have for years been engaged cycle of good and bad crops is of a determinate or in attempts to improve the breed of cattle, in a variable length, and if determinate, how many which a degree of perfection has been reached years are required to complete it, are points upon that can hardly be excelled. They look upon which opinions differ widely, and certainty is

A paper read a few days ago by M. Becquerel there is a periodicity in the r currence of good and bad harvests; that five or sur years of abundance, and five or six of scarcity, follow each other pretty regularly. From want of capital and enterprise, and good means of internal communica-Mr. Brown:-Those of your numerous readers tion, the French are more dependent on their own who are engaged, or contemplate engaging in the harvests than we are in this country, and the cultivation of the basket willow, will be pleased to difference between a good and a bad year telling learn that there is a machine for peeling the wil- more strongly on their markets, serves better to low. Mr. George F. Colhy, of Jamesville, Vt., the test the influence of the seasons. M. Becquerel

	Francs	Shillings
	per hect.	per qr.
1816 to 1821—period of scarcity	23,66	54s. 5d.
1822 to 1827—period of abundance	15,50	36s. 4d.
1828 to 1832—period of scarcity	22,00	50s. 7d.
1833 to 1837—period of abundance	16,16	37s. 2d.
1838 to 1842—mixed period	20.31	46s. 8d.
1843 to 1847—period of scarcity	25,68	59s. 0d.
1848 to 1852—period of abundance	16,68	38s. 4d.

We arrive at a similar result by comparing the gaged in the cultivation of the willow for several imports and exports of wheat, and taking the

	Hectolitres.
Scarcity 1816 to 1821 Excess of Imports .	6.247,000
Plenty 1822 to 1827 " Exports	1,258,000
Scarcity 1828 to 1832 " Imports	9,528,000
Plenty 1833 to 1837 " Exports	944,000
Mixed 1838 to 1842 " Imports	1,126,000
Searcity 1843 to 1847 " Imports	18.697,000
	13,158,000

The hectolitre (26½ gallons wine measure,) contains 22 imperial gallons, or three hectolitres are a tritle more than a quarter, (480 lbs.) It will be portioned to their size, spots when abundant may observed that the importation of wheat in France, indicate a general enfeeblement of the heating in years of scarcity, is very small when compared and illuminating power of the whole surface of the with ours. Thus, in the period of 1843 to 1847, sun. while wheat averaged 59s.—a very high price in qrs. annually.

abundance both in France and Britain. Supposing, character in manifest from the state of the markets or 68s. 11d. per qr.—a famine price in France; and the British average for the whole of November was 71s. 1d., making rather severe dearth. It separated by an interval of about five years." pure "easualty," an evil which an opposite casual-compass. ty the next year's abundance may redeem, or as the first of a series of bad crops. In our opinion, the hypothesis of a five years' cycle, embracing the hypothesis of a five years' cycle, embracing the TO PROMOTE THE HEALTH OF CATTLE. challenge, has a sufficient probability to render it worthy of entering into the calculations of farmers, or six parts of wood ashes, and give the mixture to corn merchants, contractors for public works, and different kinds of stock, summer and winter. It even ministers of state.

A hypothesis offered to explain anomalous or in a healthy condition. It is said to be good against emingly discordant physical facts is more readily bots in horses, murrain in cattle, and rot in sheep. seemingly discordant physical facts is more readily accepted when we trace in it the operation of some physical cause. In the Scotsman of the 6th of ates an appetite, and is good for various diseases. September, 1845, we gave an account of a me-Some give it to any animal that is unwell. It is moir published by Schwabe, a German astronomer, good for oxen troubled with the heat. If animals on the spots of the sun, in which he maintained will not eat it voluntarily, cut it up fine and mix it their periodicity, that they increased for a certain with potatoes or meal. term, then diminished for an equal term, and that observations of 18 years, which (as Colonel Sabine same time as possible. informed the British Association at Belfast) have France, as shown by the price of corn; and he than those that are idle. found that, taking the years in groups, to eliminate and those in which the spots were numerous with and passages of water, which are unwholesome.

Years of scarcity. We have here, then, a glimpse of scarcity. We have here, then, a glimpse of scarcity. of a physical cause to account for these alternating ventilate in mild weather, even in winter.

periods of scarcity and plenty, which experience has forced upon the attention of our farmers. It is true that the spots of the sun cover but a very small portion of his surface at any time, but the deerement of heat in a bad year is also small compared with the whole quantity which the earth receives from the sun; and it is not improbable that, besides causing a direct loss of light and heat proindicate a general enfeeblement of the heating

The progress of science is constantly adding to that country—the whole imports in the five years our knowledge of the latent ties which connect the were only 20,161,000 hectolitres, from which, demost distant parts of nature. Those minute deviducting 1,164,000 of exports, there remained for ations from the normal position of the magnetic consumption only 18,697,000, or 6,400,000 grs. needle, called its diurnal variation, were discov-In the period of searcity, from 1816 to 1821, when the price was 54s. 5d., the imports were only 6, tions of solar influence. It was only known with247,000 hectolitres in six years, or about 345,000 in these few years that these variations were themselves subject to variation-were greater in some The five years from 1847 to 1852 were years of years than in others—and that another class of phenomena, called "magnetic storms," sudden and then, that the change takes place quinquennially, dle, disclosed themselves. It is now found that we should now be at the commencement of a periodical also. To use the words of these are periodical also. Colonel Sabine, "there is a periodical variation or on both sides of the Channel. The French average inequality affecting alike the magnitude of the first two weeks of November, as given in diurnal variation, and the magnitude and frequently affecting a like the magnitude of the diurnal variation of the magnitude and frequently affecting a like the magnitude of the diurnal variation of the magnitude and frequently affecting a like the magnitude of the diurnal variation of the magnitude of the diurnal variation of the magnitude and frequently affecting a like the magnitude of the diurnal variation of the diurnal var the Moniteur a few days ago, was 29.97 per hect. cy of the disturbances of storms, and the cycle or is, therefore, a question of some importance, wheth-Perhaps by-and-by the hopes and prospects of the er we are to regard the present deficient crop as a husbandman may be read in the vibrations of the

Mix occasionally one part of salt with four, five promotes their appetites and tends to keep them

Horse-radish root is valuable for cattle. It cre-

Feed all animals regularly. They not only look the interval between the maximum and minimum for their food at the usual time, but the stomachwas about five years, so that the cycle was comple-indicates the want at the stated period. Thereted in about ten. This conclusion rested on the fore feed morning, noon and evening, as near the

Guard against the wide and injurious extremes been since extended to twenty-six years, and with of satiating with excess and starving with want, the same result. Now, as the light and heat of the Food should be of a suitable quality, and proporsun are obviously essential to the success of grain tioned to the growth and fattening of animals, to crops, it occurred to Gautier, a French or Swiss their production in young, and milk, and to their man of science, to compare Schwabe's cycle of labor or exercise. Animals that labor need far the solar spots with the results of the harvests in more food, and that which is far more nutritious,

In dry time see that the animals have a good accidental influences, those in which the sun had supply of pure water. When the fountains are few or no spots coincided with years of abundance, low, they drink the drainings of fountains, streams,

OTHER PEOPLES' BUSINESS.

BY HENRY F. FRENCH.

how they live themselves!

credit to his parishioners, who of course do not long run, pay, or they cannot get trusted, and as ty, by having his coat out at the elbows. Every- we proceed to inquire how they got their money to body knows how most men who have salaries live-pay with. We found several persons engaged in just up to their incomes, and hard work at that making shoes. They are generally traders, or, as But every body does not know how much it costs we call them, store-keepers. They buy the stock, a farmer to live, and least of all does the farmer cut it, and send it out to be fitted. This is done by have any idea of how much he really expends, not women principally, and consists in binding and in money, but in money's worth, of those articles sewing the upper part of the shoe preparatory to for which others pay money. It is very easy, again, putting on the sole. After fitting they are returned to learn how much is produced of the great staple to the store, and again sent out to be made, or have articles of export, as of cotton, and of those prothe sole put on, and are again returned, and are duced on large plantations, as sugar and rice. The finished and packed away in boxes, called cases, article hay, which is of far more value than the and are ready for market. cotton crop, is hardly named as a great staple.-The annual growth of live stock is stated at a eight thousand dollars worth of shoes are made value of forty millions of dollars above that of the yearly, in these two towns-in this less than a huncotton crop, while the sugar crop-maple sugar dredth part of New Hampshire, and that not less and all—is not a tenth part the value of the annual than forty per cent. of this amount, or one hundred crop of wheat. So with regard to the amount pro- and fifteen thousand dollars, is paid for the labor. duced by the labor at home of men, women and This is nearly thirty dollars for every person, from children, not connected with farm labor, though the baby of a day old to that venerable individual performed by farmers and their families.

This train of thought was suggested by some and well, lame and lazy, poor and rich! of Indian corn and meal, and about seventy bar- the reasons suggested, no such danger. rels of salt pork! These facts appeared by the And, by the way, there is fair opportunity to test

For the New England Farmer. Iticles. Horace Greeley was never more puzzled by the balance of trade, than were we at this intelligence, and, for the moment, we were inclined to There is an old saying, that half the people in lay aside our free trade notions, and go in for a tarthe world have no idea how the other half live, iff on corn and pigs, to be established by the New Perhaps we should not get far out of the way, were Hampshire General Court, for protection against we to say, that half the world have very little idea Massachusetts and New York; for the evidence showed that we are open to encroachments in both Everybody knows how the minister lives—that directions, the flour and corn coming in, sometimes he has a salary of so many dollars, upon which he by way of Ogdensburg, N. Y., and the pork from must live, and in respectable style, such as may do Boston. However, those who buy, must, in the want to be disgraced in their character for liberali- these towns gave every outward sign of prosperity,

> It was proved that about two hundred and eightycalled the "oldest inhabitant"—every person, sick

facts which came under observation a few days Now, we see how those towns buy thirty thouago. Upon a hearing before the road commission-sand dollars worth of grain and flour a year, besides ers of Rockingham county, on a petition to lay out consuming their own produce! Yet these, as has a new highway in the towns of Candia and Deer- been said, are farming towns, and although just field, it became necessary to investigate the busi-now their dairies are small, and their farming ness of those towns, to ascertain what occasion they operations not extensive, yet they have the land had for more roads to market. The facts, which behind them, and nobody can be their master. If will be given, were stated by witnesses under oath, the price for shoes does not suit them, there is no and were not controverted. Both the towns named, need of a strike for higher wages-no need of mobs are usually called mere agricultural towns. Both and violence. They are independent, because they together, they have about thirty-five hundred in-team turn to their mother earth, whose beautiful habitants, and pay just eight dollars eighty-two bosom is bared for their support. There is a dancents of every thousand dollars of our State tax, gerous element in all large manufacturing establishor in other words, in wealth, they compose less than ments, in all factory towns and villages. God nine one-thousandths of the value of the State of grant it may never work out, in this country, what New Hampshire. The first remarkable develop- has happened in England and elsewhere abroad. ment was, that this agricultural community of the The danger is that wealth, associated wealth, two towns is every year buying and paying for two may crush out individual independence. In home thousand barrels of flour and seven thousand bushels manufactures, like this alluded to, there can be, for

way-bills upon the railroad, and were verified by the accuracy of the census tables, to some extent, traders of the towns, who bought and sold the ar-by the facts before us. The census of 1850 gives

the value of "home manufactures," for this county more, or better, or newer varieties of trees; conas \$36,330; ner do we find any other item under sequently he urged that the business should be which this matter of labor on shoes at home can perseveringly continued until the dawning of the be comprehended in the census tables. Now the What has be population of this county is set down, in the same apples trees and 7,900 of other fruits, during the census, at 49.194, and if the "home manufactures" planting season of last year, and the prospect for of the rest of the county are in the same proportion the next equally good. The very men who had tion to the population as those of Candia and Deer-planted 500, have increased 1,000, and some of field, they would amount to about one million six ket is now better than it was ever before, for all the hundred thousand, instead of the thirty-six thousand choice varieties of the product of orchard, vinedollars credited to us! The former amount is un- yard, or garden. The market is not glutted, nor doubtedly much n arer to the truth than the latter. Whatever the result might be, on investigation, it is certain that the towns upon which the calculations are based are not generally reputed to be engaged in manufactures above the average of their neighbors.

It might be well for gentlemen at the South and West, who wonder how the people can live in New England, to inquire enough into our affairs to relieve themselves of any unhappiness on our account. It might be well, also, when the next census is taken, to have it done in such a manner as to furnish some indication, at least, of the resources of New England, as well as the rest of the country. There seems to have been no attempt to ascertain the manufactures of any part of the United States, except of "home-made" articles, and what that item includes is not very manifest.

In this view, we have something to do with "other people's busine s."

Exeter, N. II. Dec. 12, 1854.

ORCHARDS, APPLES, AND THE MARKET.

" David, I am going to quit the nursery business. In twenty-one years fruit will be a drug in New spring, and soon, at that rate, all over the country; grafted fruit, too, none of it for eider. Now what do you suppose is to become of all these apples? grow it, but nobody buy it, a few years hence."

This prognostication was made more than twen- York for \$3.00. ty years ago, by a sensible man engaged in propagating choice fruits for sale, in Central New York, keeps a finit stall in Fulton Market, was in town and no doubt the speaker honestly believed the the other day, and 'ought 1000 barrels of apples, the market with such fruit as no other than Amertable, the owner could have no desire to plant fournal.

What has been the result? A sale of 40,000 can it be while millions of mouths continually water for the luscious fruits which contrast so advantageously with the sour crabs, "five to a pint," which filled the market twenty years ago. The market cannot be glutted with such fruit as the Newtown pippins, Roxbury russets, Rhode Island greenings, Baldwins, Bellefleur, Swaar, Domine, and a great variety of other excellent winter keeping apples; while the luxury-loving mouths of old England are within two weeks, (we have done counting distances by miles.) of the fruit-bearing hills of New England. Nay, not only New England and New York, but the ever bearing trees of the rich plains of that once far away western wild, known in our boyhood as New Connecticut. But still the market is not glutted, nor will it be, though all Ohio, Michigan, Indiana, Illinois and Wisconsin, shall pour in their golden treasures of golden pippins from their unbounded plains of the richest fruit bearing land the world ever saw, while that same world full of people possess the taste they now do for choice, delicious fruits.

Our advice, therefore, is, as it has always been, to every man who owns an acre of land-plant trees. Don't be afraid of overstocking the market with any kind of fruit, except such as your fathers used to grow, and some of you still perpetuate; because the refined and improved tastes of the world demand, and will have, if it is procurable, the best that can be grown.

Since writing the above, we have met with the following item, illustrative of our remarks upon the fruit trade :-

Fruit Trade of Oswego-New York Apple Wo-York city. Why, everybody is setting out orchards. men.—It is estimated that nearly \$40,000 will be Just look around this neighborhood. There is dea-circulated in this county this autumn, by speculacon Jones has just set out 500 trees; Tom Smith tors in fruit. Some 20,000 barrels of apples have 400, and his brother Jim will have 1000 next already been purchased, and many of them shipped to New York. They were Spitzbergens and Greenings, and the price to the growers has averaged from \$1 to \$1.50 per barrel. The fruit of the en-I tell you what it is, David, we must wind up the tire county has been bought up, one firm in this nursery basiness, or we shall break flat. Every-city alone having contracted for about 8000 barrels body is going crazy about fruit. Everybody will of winter apples. Some of them which were bought for ten shillings, have already been sold in New

An energetic and skilful business woman, who days of the nurseryman were well nigh numbered giving her check for the amount. She has made Brother David, however, was of a different opin for fortune in the business, and will no doubt make ion. He did not believe it was so easy to overstock \$500 out of the operation. She bought a few barrels of choice pears here, at \$11 per barrel. She ican soil and climate can produce. He did not be will sell the same in New York for double the monlieve ere twenty years' time would elapse, every ey. We cannot but recommend to the farmers to body would have an orchard, the products of which bestow more attention upon fruit-growing. It will would be so unsalable, and the business so unprofi at all times produce a golden harvest.—Usweyo

MATURING PLANTS.

[REPLY TO R. Mc 1.]

BY A. G. COMINGS.

from the same root?"

plants, that is part of the question. It has been supposed by many, like Mr. McIntire, that certain plants have a fixed time to live, however they may be treated, and that their death must come then, "as shure as fate." Certain bulbons cited with his remarks about seed-producing crops of corn and grain. How is this fact reconciled with his remarks about seed-producing crops are a the point (and think heal). rooted plants, as the onion, (and I think herd's exhausting the soil, and rendering it necessary to grass has the same habit.) form a bulb one year plow in grain crops?" and produce seed the next. A new side bulb is formed on the year of seeding, and the seed-producing bulb dies with the production of seed, which I used in the simple times of my boyhood, ducing bulb dies with the production of seed, when I went to school at the old district school-Yet the onion, if it does not mature the bulb the house which stood on the shady side of a New mer. The reason is evident.

attempt to produce and mature seed. Yet, the at the root.

the production of seed. Even the blossoms of elo-tion to replemish the soil, that there would be in ver contain a rich store of carbon and nitric acid, milking, milking, milking, day after day, week really to supply the first want of the growing after week, the old brown cow, without giving her seed. If the root is exhausted of these substances hay, grass, grain or roots, out of which to manuin combination, die it must. No plant dies until facture milk. the vital energies of the root are exhausted, in ordinary circumstances.

the first great law of health and life is that the merchant or the miller, the sawyer or the sailor. preservation of the vital energies preserves health | Right up here in this blue atmosphere, ready to and perpetuates life; while the only natural cause be sucked into the solid matter of vegetable growth, of death is the exhaustion of those vital forces. is a mine of manure, more inexhaustible than the This great principle ought to be understood by mines of Peruvian Islands, and more precious in every man, every woman and every child. It is value than mountains of gold. Every breathing

For the New England Farmer. | applicable to all animal life, in man or brute, and is alike applicable to all vegetable life. It should be written where it would be read in the morning and in the evening, at the going out and at the coming in of every thinking, moving mortal. Life Mr. McIntire further notices my article as fol- and health are more for our own keeping, than to lows:—"He asserts that those plants which produce seed the first year of their growth, and then die, draw away the substance of the roots to made the exhaustion of the vital energies. Death is not ture their seeds, and is the cause of their death natural from any other cause. Man, the monarch Is this true, or do they die because they have full- of this mundane sphere, may overtax his energies filled the law of their being? Are these [there] for the reproduction of his species, or task himself not perennial plants that produce and mature in daily toil beyond his gifts, or neglect his regutheir seed from the first and many successive years lar supply of wholesome aliment, and he quickly brings the enginry of death thundering along his 1. I will answer: first, as to the law of being of track. Not an eye grows dim, not a hair is blight-

first year, will not produce good seed the second Hampshire hill, two very simple rules, called Adyear. Put that idea up garret, and if you want to raise good onion seed, be sure you set the most perfect and ripe bulbs; for it is a law of such enough to take the idea that a continual taking plants to depend for the accomplishment of the away, which was called subtraction, without any second year's work, (producing seed,) upon the putting back, which would be called addition. capital accumulated the first year. Small bulbs, would result in the exhastion of what there was at or small tap-roots, in a soil containing only a small first; so that, after a while, when the trial should amount of carbonaceous food, will produce but a small quantity of seed, and much of that will most likely be shrivelled and worthless. This fact is be, "You can't." Well, I fell into the simple idea sustained by the experience of almost every far- of applying this to farming. So I would say to Mr. McIntire, if those farmers who have taken many We may also add, if it is so with bulbous and good seed-crops from the same soil work only by tap-rooted plants, how much more dependent upon the rule of subtraction in reference to the carbonathe soil will be the fibrous-rooted plants, such as ceous matter in the soil, the time must sooner or corn. wheat, rye, oats, &c. If I mistake not, none later come when the answer of their figuring will of these die at the root until they make the natural be "You can't." Facts are as strong as figures.

Carbon comes not alone from the plowing in of biennial plants, whenever for any cause they are green crops; but it all comes from green crops, hurried to mature seed the first season, lose vitality originally. From deposits of meadow muck, or from animal excrements, the needed supply of old I have seen fields of clover used as pastures for vegetable matter may be obtained, for small lots cows, in which the clover roots lived many years, of ground. But why should the idea of manuring It would not be so, however, to use pastures as with green crops be so generally disregarded, New England farmers generally do. (Of that I when millions of acres of New England soil could have not now time for further explanation.) thereby be made worth double what it now is, by Facts assure me that clover, in proper circum-stances, will live many years. It will not, how-ever, if it is allowed to drive its vital forces into requiring carbon, without adopting a course of ac-

Certain it is that the husbandman has a right to put the atmosphere and the rain under the strict In the animal and in the vegetable kingdoms, payment of tribute, for his profit, as well as the

thing is contributing daily to increase it, and every plant sucks in a part of it. The great Creator has provided it, and it is open and free to every man who will accept the gift. "I don't believe in this ities."

you please, fifteen or twenty feet below where there is any other carbonaceous matetr. There it is, the same substance of those spreading limbs. The carbon has gone down there, and there it is, in the little fibres, creeping out this way-creeping out that way-creeping in every direction; and not a single soul in all the realm of reasonable ex- shilling calico, put together with ingenuity, will istence, wise man or wizard, fanatic or fool, can give a tasteful and even elegantair to an otherwise screw his credulity up to the point of believing bare and comfortless room. Most of the work we screw his credulity up to the point of believing that those roots began to grow at the outer end, and then grew bigger and bigger, until they bit hold of each other and found a tree ready to be fathered by the fraternity. A. G. Comings.

New Hampshire.

FOR WHAT?

"Pa, did God make oysters?"

"Yes, my son." "What for?"

" For us to eat."

"Well-but then, why do they have shells?"

This was a riddle to the little fellow-that oysters are made to be eaten, and yet were made with added, if desired, by nailing on boards and cushionshells to prevent their being eaten. The same question of the intention of God in the creation of things, meet the student of Nature at almost every

Every plant has been given some way of resisting injury. The blades of grass have saw-like margin. The leaves of corn are sharply edged The heads of grass are bearded. The with flint. kernels of all nuts are eased in by a shell to prevent their being destroyed. And yet there have been animals made for the destruction of all these. Cows with rough tongues for drawing grass into their mouths; horses with front teeth like shears for cutting it off; and sheep that chop it off with their under teeth against their upper gum, as a hatchet chops on a block. The teeth of squirrels are softest on the inside that they may wear sharp, and grow continually that they may not become too short. In this way, they are kept keen enough to go through the shell of a dried butternut, though it turns the edge of a knife. These self-sharpening teeth were surely made for chiselling the shells of nuts.

Every animal also has been given some means of defence. Horses have their teeth, and their hoofs and their speed. Oxen have their heels and their horns. Even sheep have their wool, and some speed, and can butt. Oysters and turtles

their shells, and hedge-bogs their quills.

But for the destruction of these, there are the earniverous races, with claws to catch them, with tusks to transfix them, and with intestines that can be used for no other purpose than to digest their flesh.

Fish have been given an instinct of fear, and the use of fins with which to escape from the fish-hawk, and yet this bird was given a beak and talons, and must live by their destruction. It seems as though everything has been arranged to prevent death on the one hand, and yet to effect it on the other.— Country Gentleman.

HOME-MADE FURNITURE.

In the present pecuniary troubles many a wife finds an unusual necessity for practicing the strictidea that this vegetable matter ever goes down into est economy in household matters. Perhaps housethe plant," says Grandfather Fogy; "I believe it all goes upwards in the plant, to the very extremveniences can we afford to procure. A little money Well, now, just follow down that pine root, if must go as far as possible. Such would perhaps like to be initiated into the art of making cheap articles of furniture, both useful and ornamental. Many a neat and comfortable sofa or lounge, chair, stand, bed, book-shelves, &c., &c., have we seen, that cost its owners almost nothing.

A few boards, a little stuffing, and a few yards of shall describe can be done by the females of the household, and we are sure will afford them more pleasure and comfort than the so-called "ornamental" worsted-work, bed-quilt piecing, &c. And in almost every family there is enough mechanical ingenuity among the boys, if not among the girls,

to do the sawing and nailing.

A simple Lounge can be made by taking a broad, thick plank, strengthening it by nailing on cross pieces underneath and inserting four short legs; add a cushion filled with any material you wish, and add a valance of the same to conceal the legs. A back and either one or two ends may be

ing them like the seat.

A Cot Bedstead many of you know how to make. Take four sticks about four feet long and three inches square, bore an inch hole through the middle of each, and put a round stick, six feet long, through, and pins through the ends; arrange these like the four legs of a saw horse; then, to form the sides, connect the head and foot posts by nailing a rod or strip of board on to their tops; take a piece of bagging 6 feet by 4, stretch it across and nail it firmly on to the side pieces. To strengthen this, make a narrow head board, nail on a small rod at each end, and bore holes in the side-pieces to receive them. By lifting this head-board out, the bedstead can at any time can be folded together and laid aside, if not wanted.

A convenient Seat for children, or for the garden, is made like the cot bedstead, with the head board omitted. The sticks for the seat should be one foot long; those for the legs, one foot six inches long. Bind a bit of carpeting for the seat. These are so light, and so easily folded and carried about with one hand as to be very convenient.

Hanging Book Shelves are another article of furniture easily made, and very convenient. For a small size, take three planed boards one-fourth of an inch thick, let the largest shelf be about 30 inches long by 8 wide, the others each one inch narrower and two inches shorter than the one below it. If convenient, paint, or oil and varnish them. Bore a gimlet hole in each of the four corners, take a stout cord and pass it down through one hole in each shelf, taking care that it is at the same corner of each, then pass it up through the remaining holes in the same end, making a knot in the cord under each shelf for it to rest upon. Pass a cord through the other end in the same manner, and tie the four ends of the cord together a foot and a half above the upper shelf, and hang it up.—Ohio CulFor the New England Farmer.

burg Railway, the traveller may see on the north some consider a gain in unloading hay. A room side, at a distance of one-third of a mile, a most in the north side of the barn, opening into the spacious barn, built by the present proprietor of floor, is devoted to meal, grain, opening into the the "Treasurer Barret farm," S. P. Wueeler, ments.

sion house was occupied by Harvard College during a portion of the revolution. What a space The common labor of "getting fixed off," must barn would have furnished the students for be almost wholly unknown with such conveni-

recitation halls!

comfortable, but protect the painted sides of the the east side. The bottom is planked to prevent building from being scoured by the heavy rains, the escape of the liquid manure, as the cellar was None can deny, too, but that the projecting roof dug in sand. The manure of course occupies the combines a great deal of boards with the combines a great deal of boards with side.

cow stable is on the south side, extending the cellar were immense piles of roots, of which about whole length of the barn: there are several entrances—all the doors being upon wheels, and opening with a touch. The stable is also perfectly lighted by numerons windows, protected outside and in, by substantial guards. There was a pump by the door where I entered, which supplied was a constant were inmerse pited in a tous, in which as the tentance means a thousand oushels were raised the present season. This fact may have some connection with the soft skins of the animals above. The cellar is eleven feet in height, is walled in a very substantial manner, and perfectly lighted.

The outside of the barn is covered in the style ways are to the first piece. by the door where I entered, which supplied water to the stock indoors, when desirable. One of known as the "Swiss fastening," that is, boards are the trench, and hinged on to the platform; no smaller ones along on the roof at intervals half manure falls upon the scuttles. They can be way down. The whole exterior is handsomely thrown over with ease with a hoe, and the stable painted. frequently cleaned with very little labor. The scuttles shut down upon the bottom of the trench, during the hour I spent in this fine barn. I fear leaving a large and sufficient passage for the es- I have conveyed to your readers, a very inadequate cape of the urine.

prove this depth to be hardly enough.

The cows are all fastened in stanchions which were numbered. The stanchions were each supplied with a chained pin, are uniform, planed, and painted a dark lead color. The long stall for cows holds forty head; nearly this number of the stanchions prevents any hay from being cost of the barrel and of transportation bringing drawn under their feet and wasted. As I saw no them to about \$1.25 to \$1.50 on the railroad. partitions between the cows, I asked the polite superintendent if the cows didn't hook one another; made no inquiries about the feeding.

and substantial. The posts, of which there are other crop.

twenty-five in the floor, are eighteen feet in AN HOUR IN A GREAT BARN. height. The scaffold, usually called the "rye-hearts," is of uniform height with no drops, which

The carriage-house and horse-stables are all The building is one hundred and twenty-five comprised in an L which opens upon the doorfeet in length by fifty-four in width. The man-yard. Here is room to drive in several carriages ences.

I next went into the cellar; it is the whole size The barn has a projecting roof with water gutters, which not only make the entrance more of the barn, and has an entrance (sliding-door) on combines a great deal of beauty with its util-south side — an immense pile. It is occasionally levelled, and earth and absorbents thrown on to The barn stands nearly east and west. The seep it in a good state. On the north side of the cellar were in mens niles of roots, of which about

Fay & Dakins' large bore wooden pumps was put on extending from the brackets down, and about being set in operation in the yard adjointhen the joints covered with narrow, levelled ing. Taking things as I saw them, the next thing strips, about two and a half inches wide. There was the seuttles; these were a foot wide, back of small sequence on the ridge, and a number of small sequence of the second sequence of the sequence o

This, Mr. Editor, is a sketch of my observations idea of the whole. A good barn is a matter of so The trench, the space between the scuttles and much consequence to the farmer, that I am interthe platform under the cows, is eighteen inches ested in every attempt to improve the standard. wide and two and a half deep. Experiments There are several others in town; I hope to be able to report to you, perhaps more fully.

Respectfully yours, WILLIAM D. BROWN.

Concord, Mass., 1854.

Apples.—The crop of apples in New England looked sleek and happy in their comfortable quarthis year, as it has been every even year since the ters. The stable is fourteen feet in width, which Baldwin came into general cultivation, is too large includes a space three feet in width in front of the for the demand, and the price has been drooping, stanchions, forming also a desirable widening to the until they are now dull in Boston at \$1.25a\$1.50 barn-floor when not in use for feeding. There is per barrel, and may be had delivered at the rail-

REMARKS.—We copy the above from the Boston he assured me that they did not. The cows had Daily Mail. Good Baldwin apples are selling in been fed with husks, and a mun took a rake, and Quincy Market, to-day, Nov. 10, for \$1.50 to 2.00 with the back of it, slid the butts left into a pile as a barrel, and the demand is equal to the supply-quick as he could walk the length of the floor. I The sale is quick for good, well selected apples. saw a cutting machine and a mixing trough; but I We hope our friends will not find discouragement in this report. They can raise apples at a profit The barn-floor extends from end to end, where at 18.00, barrel not included; and when they are there are large doors upon the largest size rollers, lower than this, they can feed them to eattle and The floor is planked lengthwise, and is very smooth swine with as much profit as can be found in any From the Ohio Farmer.

Water for Stock—Summer Feed—Shade and Shelter - Warmth.

eth sparingly, shall reap also sparingly, but he can be supplied with good springs, let them be This saving accorded. The Israelites had this proverb, "He that sow-This saying accorded so well with their sense of stocked with fish, and thus afford a new source of what is fitting and right, and was so often verified pleasure or profit. in their experience and observation, that it came to have an application much beyond the special the hotter months, our eatile and sheep improve and simple import of the words. In fact, this prov-but little. This is not so much owing to the diserb is but a partial expression of the great truth, comfort of the heat, as to the fact that the grass that this world is arranged on a system of order stops growing during the hottest and driest weathand justice, which conditions every man's havings er. If our pastures could be kept as fresh and or his doings, his receivings or his givings, his success upon his enterprise depends, and it causes through May and June, how much more uniform society, and even nature, to reflect back on him would be the growth and improvement of our the tone of his own spirit, whether he be a nig-stock. gard or whether he be a man of a liberal soul.

Wheat, its truth, and the extent of its application. and oats, and rye, are not all the farmer has to seasons. sow; thought, and labor, and capital are as much germinal and productive principles at his disposal, deep plowing in promoting the growth of summer as the seeds of plants, and it is in his use of these, especially, that he will find the proverb verified, and be compelled to reap as he has sown. That my remarks may be practical and useful, I propose sons would be a superabundance of water; when which this principle will apply; or in other words, for the summer supply. Were such lands under-I will endeavor to point out a few opportunities of drained at the depth of three feet, or more, the securing boundful returns for come additional and surface, might be left entirely level and all the securing bountiful returns for some additional out-surface might be left entirely level, and all the

lays upon our farms; and first: live with but a scanty supply, but none without it provide against a "rainy day;" should he not also can thrive as they would with an abundance of water to drink. In some localities there are neither durable streams nor copious natural springs; fresh enough for stock.

In addition to the advantage of such reservoirs BRIEF PRACTICAL HINTS TO FARMERS, for stock, it may not be amiss to hint that when the places for them are well selected, and the surroundings arranged with some degree of taste, they may be made to add much to the beauty of

OF SUMMER FEED.—During two or three of

To secure a continual growth of feed, scarcely On looking at the condition of our farms, and anything is needed but a continued supply of thinking of the objections so often urged, and still moisture to the roots of the grass, and this supply oftener felt, against almost every proposition for of moisture may be secured by deeper tillage. On agricultural improvement, it has occurred to me lands that have been deeply plowed, and especially that we especially need to receive the lesson con- on those where subsoiling has been practiced, the tained in the proverb to which I have referred, roots of clover, or grass, will go below the parched and to become much more deeply impressed with surface, and support a continuous growth of herbage in the driest weather, or even in the driest

Underdraining is also an important adjunct of water falling upon it invited to sink into the soil OF PROVIDING WATER FOR STOCK.—In in connection with the various fertilizing agents many portions of Ohio there is, in dry seasons, a suspended in it; this would obviate all danger deficiency of water for stock. I think its importance in the animal economy cannot be understood while in wetter seasons the drains would prevent by many of our formers of the state of the by many of our farmers, or more strenuous efforts mischief from excess of moisture. And in seasons would be made by them to secure a supply. Walke the past, woods pastures are of great value. If those portions of our farms which are reserved solvent of the substances taken as food, and which, without it, cannot be readily digested; and besides, it enters largely into the composition of all animal sons of excessive drought, afford more than twice bodies, not only of the fluid portions but also at the pasture that good of the masture that good of the substances taken as food, and which, sons of excessive drought, afford more than twice bodies, not only of the fluid portions but also at the pasture that good be abtained from fields portions of our farms which are reserved uncleared for the sake of the timber, were undergoes the substances and portions of our farms which are reserved uncleared for the sake of the timber, were undergoes to the substance and portions of our farms which are reserved uncleared for the sake of the timber, were undergoes to the substances and portions of our farms which are reserved uncleared for the sake of the timber, were undergoes to the substances taken as food, and which, so the post of the sake of the timber, were undergoes to the substances taken as food, and which, so the post of the sake of the timber, were undergoes to the substances taken as food, and which, so the sake of the sake of the timber, were undergoes to the substances taken as food, and which, so the sake of the sake of the timber, were undergoes to the substances taken as food, and which, so the sake of bodies, not only of the fluid portions, but also of the pasture that could be obtained from fields per-the solid. Some animals may indeed make out to feetly cleared. A prindent farmer will certainly

OF SHADE AND SHELTER.—What a tree hatbut stock ought not therefore to be permitted to ing spirit possessed the earliest settlers of Northern suffer; certainly not, if we can find at the foot of Ohio, and their immediate descendants. How few hills, or banks, wet places where by carefully col- fine trees were left, either to beautify the landlecting the water by drains, made of stone or drain- scape, or for grateful shade. In Southern Ohio, ing bricks or tiles, it may be brought to one point, the pastures are usually shaded with groups of forand into a trough, or some other convenient way, est trees; and who that has seen the satisfaction be made available. When springs of this kind that cattle and sheep manifest in their shadows, in are to be improved, it is probable that on most the scorching days of summer and autumn, can farms are streams or temporary water courses, doubt their utility? When the thermometer is up large or small, which, though not durable, may be to 90° Fahrenheit, it is as much as fat cattle, or dammed up to form ponds or reservoirs, in which indeed any cattle, can do to keep cool, even when the water may be kept through the whole summer, not subjected to the direct rays of a burning sun. If they do keep cool under such circumstances, it

or weight.

sickness and death from exposure to all the vicissickness and death from exposure to all the vicissitudes and inclemencies of our winter weather. with vegetation, and witch-grass roots will die
The annual loss sustained from such causes has, I when deprived of moisture, as well as other roots.

presume, made this matter sufficiently clear; but I remember, when a boy, that my father, whom of the atmosphere, the circulating fluids of animals this grass. must be kept up to a uniform heat, or death will ensue, and enough of the food consumed will be this subject. What I have written are plain matured for this purpose before any can be appropriaters of fact: and if they offer suggestions to ated for the purposes of growth or fattening. Build good comfortable shelters for all kinds of stock, in themselves of a weed ten times more troublesome which they can feed and lie warm, and it will than thistles, I shall be gratified. soon prove to have been a profitable investment in the saving of food and in the better growth of the N. S. T. animals.

For the New England Farmer.

WITCH GRASS.

Mr. Editor:—It is often the case that we may partially cure an evil, when we cannot wholly eradicate it. A selection in the last week's Farmer, on the subject of witch-grass, — a subject mesday, Nov. 15, and the following persons were well calculated to excite the malevolent feelings chosen officers for the ensuing year, viz: of one's nature, who may have much of it to deal with, - has led me to pen a few thoughts on

I have succeeded pretty well in eradicating it from three different kitchen gardens by breaking up the ground and planting with potatoes, and the next spring, after plowing, by going over the ground with the manure-fork, and throwing out the roots into heaps, and wheeling them into the hog-pen; plant again with corn and potatoes in large hills, and during the first hoeing dig out every root. This, though a slow process, is not so much so as might at first be imagined. By watching every blade of this grass as it springs up during the season, it can be completely subdued, without any further trouble, after the second year. It is of no use to get vexed in the spring of the year, and swear vengeance against it by digging out a pile of roots, and stop there. The worst part of the difficulty is over, but a blade left here and there will, by the next spring, form an extensive supply of roots, for they grow late in the fail and freely in June, July or August, it is the best time early in the spring.

While surveying a piece of valuable intervale, the last summer, on the farm of TYLER P. TOWN, Esq., of this town, I was struck with the garden-like aspect of his farm, and was informed by him land and let it go fallow one year. During the the provinces.

is by means of excessive evaporation, and a great drought of summer he plowed it and harrowed it waste of moisture from the system, and when sub- several times, and in this way exposed the roots jected to this, they will add but little to their size to the sun. The expense, he informed me, was about ten dollars an aere, which was cheap for Sheller is as important in winter as shade in land worth in the market one hundred dollars an the summer. I need not dwell on the liability to acre. By repeated plowings, the land becomes

the increased consumption of food consequent on I honor as having been a skillful farmer, was in deficient shelter, is possibly not as well understood, the habit of sowing his fields, which were of a Food, as every one knows, is required to furnish sandy soil and subject to witch grass, with winter the materials for building up the animal frame, cye, and turning them out to a sheep pasture, and and for repairing its continual waste; but in cold taking up another portion of pasture into his field. weather the larger portion of what is consumed, is In a few years the witch-grass was completely eradiappropriated to the production of animal heat cated, except around the stumps and fences. I The carbon of the food combines with the oxygen believe that witch-grass rarely ever spreads by the taken into the lungs in respiration, and in the road-side, even where it abounds in the adjacent union heat is evolved in a manner analogous to fields. When witch grass is troublesome around that by which heat is obtained from the consump-fruit trees, I have found spent tar not only a tion of fuel in a stove. Whatever the temperature good mulching, but also a check to the roots of

I have no theories or suggestions to make on

N. T. TRUE.

Bethel, Me., Dec. 9, 1854.

Remarks. — We hope to hear often from Mr. TRUE.

ROCKINGHAM FAIR. — The annual meeting of this society was held in Exeter, N. H., on Wed-

> President. HENRY F. FRENCH, Exeter.

> > Vice Presidents.

James Pickering, Newington, Jacob B. Brown, Hampton Falls, Moses Eaton, So. Hampton, David Currier, Derry.

Trustees.

Winthrop H. Dudley, Brentwood, Silas F. Learnard, Chester, Nehemiah P. Cian, Hampton Falls, James II. Diman, Stratham, Zebulon Sanborn, Epping.

Secretary.

Wm. P. Moulton, Exeter.

Deadening Timber. — When the bark slips to girdle trees. Cut the small growth three feet above the ground; the roots do not sprout, and the stumps are more easily removed.

IMPORTANCE OF DRAINING.—By a recent dethat he had succeeded completely in eradicating cree of the French government, 100,000 francs, witch-grass from his field, wherever he had tried about \$20,000, are devoted to encourage the manuit, by summer tilling. He took a given piece of facture of draining tiles for agricultural purposes in

WINTER CARE OF CATTLE.

the stock he owns is dependent in a great measure ficient quantities, so that they can all drink as upon him. Especially is this the case in the win- much as they choose. If the water is brought into ter. At this season, they require constant atten- the yard, the trough from which they drink should tion in feeding, watering, carding, &c. They not be placed under a shed, or in a sunny part of should be fed at proper and stated times, and as the yard; if it is, the cattle after quenching their nearly as may be, have an equal allowance at each thirst, will stand around it and prevent the others meal. By this regular feeding, they will thrive from coming up. much better, even on a smaller amount, than if fed at irregular times, and with varying quantities of in the barn through the day, except when they are food. They want, also, a variety in regard to food let out to drink; especially, if the barn is tight and A few roots are very useful to them daily. Corn warm, as all our barns in this cold country should be. fodder, if fed to them once or twice a day, will They may be kept in as good condition on a less generally be eaten up clean, whereas, if they are amount of food in this way, than if turned out in fed on it constantly, much of it will be refused and the cold bleak winds and storms; and much more wasted. They should not be put on the poorest manure will be saved to the farmer, by this course, hay first. This should be reserved, and fed to them particularly if there is a good cellar under the occasionally, in the coldest weather, when it will barn, and the owner has provided it with a good be eaten up elean.

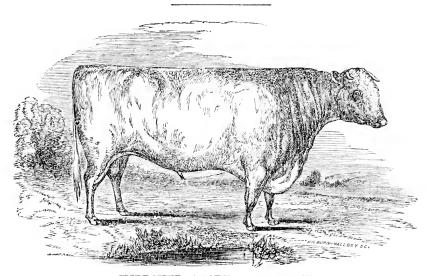
They should have an abundant and convenient the liquid manure. supply of water. In this our farmers fail to supply the wants of their stock more than in feeding. Many depend for water upon a brook or spring, at some distance from the barn. In cold and stormy weather the cattle, especially the weaker and kept constantly in the yard, if not in the barn, for younger portion, are driven back, and not allowed by this course alone will be save his manure, and to drink until their thirst becomes excessive, and if this is not saved, his next year's crops will at

the others.

Water, either by a well in the yard, or in some The good farmer should feel, that the comfort of other way, should be supplied to the cattle in suf-

We think well of the plan of keeping the cattle This should be reserved, and fed to them particularly if there is a good cellar under the thick bed of peat, or some other absorbent to hold

Above all things, it is poor economy for the farmer to allow his cattle to go roaming round through the pastures and by-ways, through the bushes and woods in the winter, browsing. They should be then at the peril of being hooked and injured by maturing show him his negligence and improvidence.—Granite Farmer.



IMPROVED SHORT HORN BULL.

We are mainly indebted to the Rev. Henry rump, in the runners, tlanks, buttocks, and twist, Berry, for just descriptions of this noble breed of and in the neek and brisket, as inferior parts." Mr. cattle. In some localities they are great favorites, Dickson also speaks of thei, "exquisitely symmetand prove good milkers and workers. The colors rical form of body," as going to "form a harmony of the improved short horns are red and white, or which has never been surpassed, in beauty and a mixture of both; "no pure improved short horns," sweetness, by any other species of the domestic says Mr. Youatt, "are found of any other color ox."

but those above named." Mr. James Dickson, Mr. Culley, another writer, states that "the another competent judge, says, "in its points, for short-horned cows give a greater quantity of milk quantity and well laid on beef, the short-horned ox than any other cattle; a cow usually yielded 24 is quite full in every valuable part; such as along quarts of milk per day."

the back, including the fore ribs, the sirloin and

A SPLENDID BARN.

to the one they plan, and still fewer build one trough of water, with suitable openings in the like that described below. Still we publish a bottom of the manger, through which cattle may description of it, because he who cannot obtain be watered by removing the iron slides, and which all its advantages, may secure a part. Perhaps is done by the means of a lever opening the line some of them can be provided for in those already occupied. We ask special attention to the manner. The very great economy and convenience of occupied. We ask special attention to the manner of seeding. The description was given as appears this arrangement are obvious at a glance, and may below, by a correspondent of the Rural New- be taken as a specimen of the perfection exhibited

farm in Great Barrington, Mass., pleasantly loca- milk-room, and has a great many conveniences ted upon the Housatonic.

formed a beautiful reservoir of water directly above believe during the summer season the boiling the barn, that operates upon a wheel twenty feet system is to be practiced in part. The building in diameter, thus forming an excellent motive is well lighted and ventilated, so that no diseases power that is used for a great variety of purposes, are generated by confinement or impure air and ing, and elevating the grain, cutting straw and often overlooked. stalks, unloading hay, depositing it in any desired loft, churning, grinding, &c.

ingenious and convenient, the following descrip- "Cascade Barn."-Plow and Anvil. tion of which I give in the language of Mr. Wilkinson :-

"All the manual labor required in feeding the cattle is to run a car which contains 25 bushels of feed before the line of cattle, and shovel the food quadrant shaped, of about 100 bushels capacity, at the last Exhibition in Essex county; and now and one to each stall. The boxes are placed one on each side of a partition, that divides two stalls, and are each attached at the right angle corner of judge for himself. Mr. FAY indulges in no flights touch before the cattle again. In the centre, between the next or adjoining pair of stalls, is an erect cylinder, two feet in diameter at the top, from about a horizontal line with the tops of the labor may be done in a common way. feed boxes (on the opposite side of the stalls,) to the upper surface of the hay-loft directly over the cattle, that it may be filled from the floor. There from the floor, so that two animals may eat from we wish to present. the same tube at the same time. Under the tube is a drawer into which all the loose hay seed falls through its latticed bottom, which drawer when full is emptied, and when a large quantity of seed the building throughout the year.

extraordinary box manger, directly under which, Few farmers can afford to erect a building equal and running the whole length of the stable, is a

throughout. Under one of the drive-ways into The barn belongs to David Leavitt, Esq., a the third story, is an arched room, well ventilated, merchant prince of New York city, who has a and lighted with a glass front, which is used as a connected with it for diminishing the labor of It is 200 feet in length, with a centre wing on taking care of the dairy, which can all be perthe east side, three stories high, with an arched formed without the least exposure to the weather, roof covered with tin, and a cupola on the centre, within the compass of a few feet. The herd is and erected at an expense of nearly \$20,000. It fed with hay, cut feed and steamed roots, that are is based in a ravine which it spans, thus affording reduced to a pulp by the revolution of a cylinder an easy entrance into the third story. Through in which the roots are placed after steaming, with this ravine runs a durable stream, with which is four cannon balls of two pounds each, and I such as sawing wood and lumber, threshing, clean- deleterious gases, an important feature that is too

On the side of the barn facing the Housatonic, which is but a few hundred feet distant, are The first story is used as a manure vault; the third for grain, hay, and apartments for domesties. The arrangement for feeding the eattle is most foam, from which falls over them into a sheet of foam, from which it justly derives its name of

AGRICULTURAL ADDRESSES.

Mr. Fay's Address in Essex.

We had the pleasure of listening to this plain, into the feeding boxes, which are of east iron, practical and instructive production, at Lawrence, the box to the front partition stud by hinges, so of oratory or fancy, but pursues the even tenor of that the boxes may be swung around into the feed- his way with a good sound common sense, and on ing hall, in front of the cattle, and over the feeding topics of utility. He has not set up images of car, that the seed which spills in filling the boxes, may fall into the car instead of on the floor. After straw to display his skill in knocking them down; the boxes are filled, they are turned with a slight nor is there any strained effort to bring in the observations he made when abroad, on subjects of no use at home; nor does he run into sublimated which projects equally into each stall, and extends refinements of science—but tells us how common

If more of our learned men would imitate his example, and tell us what they know and no more, is a circular aperture, six inches in diameter, in we should be much better instructed. But we each side of the hay tubes, at a convenient height are keeping the reader too long from the extracts

> FARM WORK IS DRUDGERY, UNLESS THE MIND IS IN IT.

Our farms have ceased to be a favorite scene of accumulates it is cleaned for use or market. The labor to our young men, because the work to be seed obtained is of a superior quality, and the performed is mere drudgery, without pleasure or quantity ordinarily saved by this arrangement, excitement to the mind, but full of weariness to will pay for all the manual labor required about the body. If, however, you will bring to the farm the steam engine or horse power, and the various Across the front of the stalls there is also an implements they put in motion, our children will

gladly remain upon the homesteads they now de- Gov. Washburn's Address at Worcester. sert for the factory, the machine-shop and the railroad. He who delves and digs the earth from morning until night, has little time and less inclina- LIAM S. LINCOLN, Esq., we have before us the implement the working of which he is to guide many valuable papers. The Address by Governor and direct, his position is completely changed; he was a superstant of the last year. The Address by Governor is then a master over a slave, a truly soulless slave, Washburn is written in a clear, comprehensive that labors without sweat to do his bidding.

ciation, so well known and practiced upon for the subject more consistent with his own habits of together in the purchase of expensive agricultural profession and raise himself to his true level. And implements, and arrange for their use in a way to secure perfect fairness and equality. This is only while he is very happy in the particular current secure perfect fairness and equality. one of the many ways by which the cost of them or turn of his theme, there is an equal felicity in may be very much reduced. If sufficient enthe language he uses. couragement were given, persons could be found in every community to work them on their own accounts, going from farm to farm as a regular themselves with unmerciful severity, are exceedbusiness, profitable to all parties. This is practiced ingly sensitive to the criticisms of others, especialto a very considerable extent among the small by of lawyers; but in this Address the sentiments farmers in England.

THE TURNIP CROP.

highly manured and kept free from weeds. It best commentary, after all, that we can make, is was a crop, which in a proper rotation, prepared to say that we shall copy liberally from its pages, the land in the best manner for those which follow it; more than this, it would do well on his light loams, although perhaps better adapted for a THE FARMER HAS COMFORT AND INDEPENDENCE, heavier soil. Its yield was large and bulky, and to dispose of it to the best advantage, it ought to to do this, he would be forced to increase his stock, pendence than those we witness everywhere among and in this way he would augment his barn-yard the farmers of Worcester County. And yet I manure, which in its turn would add to the fer-shall venture to affirm that no class do more intility of his soil. He would have better cattle, justice to their true condition, in the estimation in better and more pigs, and if he kept a few sheep, which they regard it, than do the farmers of as every farmer should do his lambs would come. Massachusetts as every farmer should do, his lambs would come Massachusetts. earlier to market, and would be in good condition and command high prices, instead of being sold ments, and trace the course they are inclined to for their pelts.

exclude, nor was it intended to do so, the cultiva- be led to suppose that Agriculture had few claims tion of other roots. Beets and carrots for some upon the respect of those who pursue it. And lands, are more profitable than turnips, besides while I do not believe that such is, in fact, the

lieve with perfect truth, that the failure of the ments and so few settling down contented on their turnip crop in that country would be a heavier paternal acres? Why are farms in the country blow to its prosperity, than the failure of the Bank in so little demand, even at prices scarcely higher of England. It is owing principally to the liberal than they bore twenty years ago, although specuuse of the turnip, that English cattle and sheep lators are coining gold out of town and city lots have reached their present high state of perfection, in our new cities and villages that are springing making the land support four times the number up throughout New England? that could be maintained under the old system of Our professions on the other hand are overrunhay and pasture feeding. If we should adopt ning, till lawyers and doctors starve amidst plenty, their practice in this respect, there is no reason and ministers go hungry while they are breaking why we should go abroad to purchase at enormous the bread of Life to rich churches and congregaprices, animals which in all essential qualities are tions. And if we find a young man who has selfno better, if as good as our native stock.

Through the attention of the Secretary, WILtion for thought-he becomes a mere toil-worn Transactions of the Worcester County Society for machine at last; but if he is connected with an the last year. Like its predecessors, it contains and terse style. He does not attempt to teach the MASSACHUSETTS A LAND OF SMALL FARMERS. farmer what are the best breeds of stock, how deep and when they must plow, or how he shall Massachusetts is a land of small farmers, and drain and reclaim his lands. He takes a view of we must therefore resort to the principle of asso various other purposes, to accomplish what is be-thought, study and occupation, and presents some yond our individual means. We must combine of the means whereby the farmer may elevate his

We know that farmers, while they criticise uttered are so pertinent and just, and the words so gentle and truthful, that we believe no laboring To grow turnips, the land must be well plowed, brother can take exception to them. Perhaps the

BUT DOES NOT TRULY ESTIMATE THEM.

Sure I am, that no portion of God's heritage be fed off the farm to the cattle during the winter; can offer more signal marks of comfort and inde-

To hear their remarks, to watch their moveadopt in relation to the education and training of This recommendation to grow turnips must not their children for the business of life, one would being better food for mileh cows. Every farmer true sentiment of the masses, there is enough of can soon learn by experience which root thrives discontent prevalent among the farmers of New best on his land, and having learned this, he will be blind to his own interest if he does not cultivate it.

A leading Washington and turnings, bestdes while I do not believe that such is, in fact, the ground of the masses, there is enough of can soon learn by experience which root thrives discontent prevalent among the farmers of New best on his land, and having learned this, he will discussion of the true position of Agriculture, as a profession, here. If it is not so, why do we see A leading English agriculturalist has said, I be so many young men crowding into other employ-

respect enough to rely upon his own powers, and

is willing to earn an independence by his own labor, he grows restive as he looks upon a farmer's life here, and quits his old homestead almost without a sigh, to seek a new home in the rich prairies of the West.

they would find little occasion for the indulgence butter for a family of six, besides supplying what of those notions. One great difficulty in the way milk they wish to use. She is of common breed, of a farmer's appreciating as he ought the advan and does not have very high feeding. I ask if, in tages of his own condition, compared with that of your judgment, she is not more than an ordinary his fellow citizens around him, is the isolated man-cow?

J. P. ner in which he passes much of his time within the sphere of his own farm and neighborhood. He is too apt to forget how important is that fraternity to which he belongs, in all the elements of eow. power and influence.

ILL-JUDGED COMPARISONS.

The amount invested and held by the farmers of Massachusetts in lands, stock and farming tools, as stated in the census returns of 1850, exceeds pounds per year; but we think the milk of such a a hundred and twenty-two millions of dollars, cow would yield a pound of butter in something and in numbers they greatly exceed either the less than ten quarts. Eight quarts to the pound mechanics, manufacturers, or professional men in would give 227 1-4 pounds. the Commonwealth. They forget this when they indulge in comparisons with the seemingly more favored portions of the community, and as life is Mr. Editor:—I have been a constant reader with them one of economy and toil, they are too of the Farmer for years, and I wish now to make independence with it. No circumstance is so same money, and also how to feed them? (a.) fraught with the elements of discontent as this habit of making ill-judged comparisons of one's year on winter rye and on pastures? (b.) condition with that of others. We start with assuming that whoever is superior in wealth, or enjoying a larger share of popular favor or personal ease, must be the happier man, and looking only at the outside of things, we allow our eyes to be dazzled by the false coloring which life often wears, even in its best estate.

THERE'S MUCH IN LIFE, AFTER ALL.

There 's much in this life, after all, That's pleasant, if people would take it; On some of us trouble must fall, But sure am I most of us make it. Let us look for the ups and the downs, And try to take things as we find them; And if we are met by the frowns. Believe that a smile is behind them.

What have we, we did not receive? Is the world not sufficiently roomy? Then, why should we wish to believe We were sent into life to be gloomy? We may meet with some rubs in our day. But do n't let us tremble for fear of them ; Rather hope they will not come in our way, And do all we can to keep clear of them.

There are regions of quicksands and rocks, And it's difficult, too, to steer around them; A good plumb line might save us some knocks, But it's no easy matter to sound them, For our needle may point the wrong way, And our chart do no more than mislead us, Till we find that " each dog has his day, And a friend's all alive to succeed us.

But there's much in this life, after all, That's pleasant, if people would take it; Though on some of us trouble must fall, Full sure I am most of us make it. Let us look for the ups and the downs, And try to take things as we find them: And if we are met by the frowns. Believe that a smile is behind them.

EXTRACTS AND REPLIES.

A GOOD COW.

Mr. Editor:—I have the care of a cow that has been farrow for three years, and has averaged If men would regard the pursuit of agriculture during that time, five quarts of milk a day; her in Massachusetts as its true relations deserve, milk is of excellent quality, and makes sufficient

Fitzwilliam, Nov., 1854.

REMARKS.—Certainly, she is an extra-ordinary If she is farrow, we suppose she has given milk through the entire year, which at five quarts per day would be 1,825 quarts a year. Allowing 10 qts. for a pound of butter, it would give 182

BEST FOOD FOR MILCH COWS-PLASTER.

ready to grow discontented, when if they would some inquiries through its columns. I make milk but pause and examine for themselves, they would for the Worcester market. I wish to inquire what bless the Providence that had given them such a is the best and cheapest feed for cows that give home and such means of earning and enjoying an milk, and what will make the most milk for the

Is it beneficial to sow plaster at this season of the

Worcester, Nov. 6, 1854.

Remarks:—(a.) The questions under this head can only be answered in a general way without long and exact experiments. The "best and cheapest" food for milch cows which we have ever found, was good corn fodder, clover and herd'sgrass hay, and half a bushel, or three peeks of roots,-say, beets, parsnips, carrots, flat turnips and ruta bagas,-per day, for each cow, fed to them in the morning soon after they were milked. Under this treatment this gave more milk than under any other, and we found it the cheapest. Good corn fodder will produce milk abundantly.

(b.) The autumn is a good time to sow plaster. The substance of the article on the State

Pauper Establishment at Tewksbury, has already, appeared in the columns of the Farmer. We thank the writer, "H. F.," for his attention and hope to hear from him on other subjects.

BREAKING-UP-PLOW-STRAW-CUTTER--CULTIVA-TOR-HORSE-PLOW-SPRING WHEAT-

PEAT ASHES.

MR. EDITOR:—I wish to inquire through your columns, which, in your opinion, is the best plow for breaking up grass land? (a.)

What is the best straw and corn-stalk entter ?(h.)Which of the two does the work most thoroughly, the cultivator or the horse-plow, and the price of each? (c.)

much seed will it take for an acre? (d.)

Are peat ashes good as a fertilizer? (e.)

Young Farmer.

plow for breaking up grass land than the No. 33, Double Eagle plow, where two or three catttle are to be used. For four eattle take No. 35 1-2 of the same construction.

- (b.) We have tried several kinds, but find nothing equal to G.de's Paten' Eagle straw and corn-with it, both as an agricultural and family paper. stalk cutter. It works rapidly with a single knife, I see in its columns a tone of freedom, which I like, and is exceedingly simple in its construction.
- (c.) On ground mostly free from roots and stones a good steel-tooth cultivator is better than a horse-plow; but on rough, stony lands, the plow would be best.
- (d.) The best seed wheat we get comes from Canada. A kind called the "Scotch Fife," is considered the finest spring wheat. On ordinary soils six pecks are required, but on very rich land five pecks will be sufficient.

GAS LIME.

No. of the N. E. Farmer for 1853, page 455, he T. O. J. will find an analysis of gas lime.

FOOD FOR MILCH COWS.

MR. EDITOR:-I recommend to your correspondent "Worcester," if he wants to raise milk for market at the least possible cost, to feed half a bushel of turnips, boiled with four or five quarts of shorts, once every day to each cow. This, I think, is the cheapest food for milch cows. Will "Worcester" please give the result, if he trys it?

HUNTER. Dec., 1854. Yours.

Mr. Editor:—What breed of cows do you consider the best for quantity and quality of milk the potato crop the preference. and butter-viz.: for one family where one good eow well kept will furnish milk sufficient for all purposes?

This is the query. Are not some of our natives, as good milkers as some of the foreign blood,-De-

vons, Ayrshires, &c. &c. ?

We go in for native born, so far as our experience goes, but we do want the "good article," any-H. C. Parker. how.

Manchester, N. H., 1854.

bly be the best where the milk is required only for family use—say milk for bread-making, for the table, with cream for the pitcher and for an occasional churning. But Jerseys are at present high and if it is, will the committee on agriculture press and scarce, and some other breed may be found which will answer the purpose. cow four years old, with small limbs, a neck somewhat slender, lean head, small nose and tail, with a several State capitals. Aside from its warlike ten-well-developed bag, reaching considerably forward dency, we consider the Military Acadamy at West and with good sized teats. A middling-sized aniand with good sized teats. A induling-sized athemal with a bright, lively countenance, but at the the same energy and thoroughness, would be of insame time gentle. Feed her upon upland hay calculable advantage to our country.—Country Genwhere a ton or a ton and a half to the acre is cut, theman.

Which is the best kind of spring wheat, and how and give her the slops of the family mixed with a quart of sweet shorts twice a day; and she will probably yield you an average of four quarts of milk a day. When she is six years old, if kept in REMARKS:—(a.) There is, probably, no better the manner described, she may yield you an average of six quarts a day for four years. She ought not to go dry more than three or four weeks.

For the New England Farmer.

PRODUCTS OF A SINGLE ACRE.

I am a subscriber to the Farmer, and am pleased and a hatred of oppression, which every lover of liberty must admire.

I give you below a statement of the products from one acre of ground, for the last three years, which I think is not bad. The first year I plowed in the grass, and put about forty loads of manure on the sod, harrowed and planted to corn, heed three times, and got fifty bushels. The second year planted to potatoes, and had 315 bushels. The third year sowed to wheat, put on eight bushels of ashes and 200 pounds of plaster, and had twenty bushels. I also send you a sample of gold, which I dug on the bank of a brook, which runs through a farm that my father sold this fall to a If "T. II.," from New London, who in the Dec. Californian. There has been somewhere from No. inquires about gas lime, will look at the Oct. fifty to a hundred dollars' worth taken out this fall, by different persons digging for the fun of it. It remains to be seen whether it will pay to work it or not.

> Yours, &c., B. G. Russell. Store, Vt., 1854.

REMARKS .- Your experiment shows what the soil will do if it has a fair chance. There is no doubt on our mind that farming is just as profitable as a business ought to be, when it is properly conducted. The gold came safely. Potatoes are wanted more, and we hope your people will give

A GOOD MOVE .- On the 5th inst., Mr. Wentworth, of Ill., offered the following resolution in the House of Representatives:—

Resolved, That the Committee on Agriculture inquire into the expediency of establishing a National Agricultural School, upon the same principle with the National Naval and Military Schools, to have one scholar educated at the public expense, from each congressional district, and to be estab-Remarks:—A good Jersey cow would proba-lished in connection with the Smithsonian Institution, so as the better to carry out the object of its founder.

> Very good, so far, and we are greatly obliged to Mr. Wentworth; but will the resolution be passed, the matter on the attention of Congress? Judg-Select a native ing from the past we fear not. But remember, farmers, there's a "good time coming," when your voices will be heard at Washington as well at the Point the best educational institution in the United

HINTS ON THE BREEDING OF FOWLS.

If not already done, now is the time to look over plied, during winter, with clean, dry straw. your lots of fowls, and carefully select out the hens and toosters designed to be kept for breeding next year. The fecundity of hens affords the breeder great facilities for improving the breed, but how saldom does he take advantage of them. To make decided improvement in a breed of horses, cattle, or sheep, requires more time than most go-ahead Americans—who are ever ready to pull up stakes, and sell out for a "consideration"—are willing to bestow. In fact, the bare idea of spending half a bestow. In fact, the bare idea of spending half a life-time in perfecting a breed of animals, would be enough to frighten them from the undertaking. Hence we shall probably continue to import the pure breeds of cattle originated by more plodding nations. But with fowls, the length of time required need not deter any one from attempting to improve the breed. By careful and judicious selection, any farmer—or, we would rather say; it. It is a tolerably good substitute for the worms. to improve the breed. By eareful and judicious selection, any farmer—or, we would rather say, any farmer's son—may, in two or three years, add a hundred per cent. to the good qualities, and correct most of the deficiencies, of his present breed of fowls—unless, indeed, they are already meat, as it always proves injurious, and sometimes much better bred than the ordinary fowls found fatal. There can be no doubt that salt is not required by fowls in larger quantity than that ob-

the serious consideration of the farmer. But this cannot find enough food from the scatterings of is far from being the case. There is no other the barn-yard, must be fed as the judgment of item on a farm that foots up more net profit than a good bread of proposals best find. a good breed of properly kept fowls. This is a fact gradually taking possession of the public mind, (thanks to the agricultural press and though we do not fraternize with them - the REPORTED TO THE CONCORD FARMERS' CLUB BY chicken speculators,) and we shall ere long witness a decided improvement in the common fowl of the country. For, without taking into consideration for a short essay was Pruning. I shall speak only the improvement caused by the introduction of of apple trees.

Asiatic and other foreign breeds, the stimulus of The apple tree grows with a superabundance of cannot be doubted that if they once take hold of to train according to his particular taste, or the the matter in earnest, great beneficial results must necessities of the locality. speedily follow, and that without the introduction of any foreign blood.

laver, on no account keep her.

Having selected what hens you intend to keep year being cut away. for breeders, it will be advisable to sell off all the Cultivators generally agree that the lowest limbs others now, so that the remainder may be better at the trunk of the tree should be out of the way fed during the winter. It is vain to expect of teams passing under it. It will be found a abundance of eggs next spring if the hens are great convenience in plowing to have the tree starved during winter. A few hens fed will always trained with one straight upright stem. Those prove more profitable than a large number half-side branches are of the right kind that join the starved during a few months of the year, even trunk nearly at a right angle. They can never though they may have a superabundance of food break, even if bent to the ground at their extremiat other times. See, too, that the hen-house is ties. It will be found that there will form about warm and dry. Hens, like sheep, can stand any the junction a hard knot which never gives way. thing better than water. Let the hen-house be A tree properly shaped when young will seldom

thoroughly cleaned out now and regularly sup-

If you design to change one or more of your bestow. In fact, the bare idea of spending half a some to be delicate; but this has not proved so in

much better bred than the ordinary fowls found farmers' yards in most parts of the country.

In this country, and even still more so in Great Britain, fowls have been looked upon as beneath the ordinary food.

They must have access to fresh water, and if they the country required food from the country food.

For the New England Farmer.

PRUNING APPLE TREES.

BY WILLIAM D. BROWN.

Mr. President:—The subject assigned to me

high prices and good profits has directed the at-limbs, that provision may be made against casualtention of farmers to their common breeds, and it ties, and an opportunity afforded for the cultivator

A young tree in the nursery requires but little pruning, it any, for the first two years. The side Now is the time to take this matter in hand .- limbs contribute to the growth of the stock, which Select out hens under four years of age, having naturally grows with a regular taper from the reference, particularly, to a healthly and vigorous ground up. When the low limbs of a young tree constitution, large, well-formed bodies, and rather are early removed, and the sap driven into the top, small legs and feet, bright eyes and pendent combs. the tree will not sustain an upright position. Early maturity and good laying qualities must not The top increases faster than the trunk, which soon be forgotten. The torm is a good indication of becomes too weak to support it. A tree that has the former, and also, to a certain extent, of the been trimmed at the right time, requires no staking latter. If early maturity, beauty of form and re- when transplanted. When a tree is trimmed in the finement are carried too far, the tendency to lay nursery, it is hardly possible to shape the head and eggs is supposed to be diminished. If a hen is leave on only such limbs as will be required when known to be of an uneasy disposition, or a poor it arrives at the bearing state. The head should be worked up gradually, a few lower limbs each

necessary it is well to check the sap for one or ing and disintegrating the soil below the furrows, two summers by partly girdling the branches you while the ridges will crumble down, as they will wish to remove. This may be done without the not hold water, the air will circulate freely through slightest danger or inconvenience during the grow-them, decomposing the mineral portions, and con-ing season, and in the Autumn, when the limbs veying in ammonia and other gases. This operaare cut away, the wounds will keep dry and soon tion will be equal to ten or more loads of good become perfectly hard. If they are of considera-manure upon elay or compact soils. ble size, it is well to cover the exposed part with a

little paint. in partly girdling limbs which I wished to check harrow. and subsequently remove. I have found the practice interesting in one particular; the limbs gir- land is thus prepared, it dries out and warms sevdled are sure to bear before the others. The de- eral days earlier in the spring. Again there are scending sap is checked and forms fruit spurs, some soils that are exhausted upon the surface, Scions set in thrifty stocks generally require no but which contains poisonous substances in the pruning the first year. The second year, where subsoil. If this subsoil is thrown up in contact two have been set and both lived, one should in- with the air and frost during winter, these poisonvariably be removed. If the limb is large and ous compounds (usually proto-sulphate of iron or thrifty, great care is necessary to save the remain-manganese) will be destroyed, or changed to a ing scion from a too great rush of sap. This may harmless form, during the winter. be done by leaving on the limb sufficient branches The above practice is especial of the original stock, which should be gradually re-mended in the garden. One of the most successmoved. I may remark here that too many scions ful cultivators of an acre of ground in our acquaintare usually grafted into a tree. A few in a few ance, digs it up in the fall to the depth of three or years will afford enough top. Trees usually bear four feet, making deep trenches and high ridges, apples on the outside, in the sunshine. A thick so that the whole acre appears to be covered with top is always barren.

TIME OF PRUNING.

the sap starts it will coze from the wound, and scale, during the present season. - Imerican Agridiscolor and kill the bark. The part exposed will culturist. rot, and soon decay will extend through the entire heart. If the tree is small, it is often ruined; if it is a large tree, it is very seriously damaged. It is better to prune in Autumn or while the tree is in full leaf. In June the wound will immediately begin to heal. In September it will remain dry and The Persons elected were, sound.

TOOLS FOR PRUNING.

These should be sharp. For small trees excellent knives are made, which every owner of a tree should use. For removing limbs of a considerable ports ordered on the following subjects:-masize I use a mallet and a light hand chisel. The nures; hoed crops; root crops; grain crops; grass chisel cuts smoother than a saw, and quicker.

FROST AS A MANURE.

for almost every class of soils as that of throwing fertilizer. up land in narrow ridges, in the fall or early win-There are few soils, worth cultivating at all, that do not contain more or less materials which can be made available to plants by the combined action of air and frost.

Take two plots of heavy soil, side by side, and let one lie unmoved till spring, while the other is deeply plowed in autumn, and the result will be very visible in the spring crop. But the manner of plowing is important. To secure the greatest advantage, a single furrow should be thrown up, and another back-furrow directly upon it, so as to produce a high ridge, and another ridge is to be made in the same manner with a deep dead-furrow between the two. The process is to be continued in two or two and a half feet. If prepared in this cannot enter.

require the removal of large limbs. If this is ever way, the frost will penetrate far downward, loosen-

In the spring it will only be necessary to run a plow once or twice through the centre of each In my own practice, I have found great success ridge, and then level the whole down with a heavy

Another advantage in this process, is that when

The above practice is especially to be recomhigh winrows of hay placed closely together.

We strongly urge every farmer who has not tried this method, to lay out their plans now for If you trim when the tree is not in leaf, when experiment in this way, or on a larger or smaller

CONCORD FARMERS' CLUB.

The Annual meeting of the Concord Farmers'

E. W. Bull, President. WM. D. Brown, Fice President. MINOT PRATT, Secretary. John Raynolds, Treasurer.

Standing Committees were then elected and Reerops; live stock; farm buildings and farms; farming tools; reclaiming waste lands; garden fruits; ornamental gardening; fruit and ornamental trees; draining; feeding stock; pruning, and a special We know of no treatment so directly beneficial, committee on the value and effects of guano as a

TIMBER.

How full of graceful sentiment is the following extract from Vaughan's Poems, published in 1640;

Sure thou didst flourish once, and many Springs, Many bright mornings, much dew, many showers

Pass'd o'er thy head; many light hearts and wings, That now are dead, lodged in thy living lowers :

And still a new succession sings, and files-

Fresh groves grow up, and their green branches shoot Towards the old and still-enduring skles,

While the low violet thriveth at their root.

To Often breaking up a surface keeps a soil in thus through the whole field, so that when finished health—for when it lies in a hard bound state it will present a surface of high ridges and deep dead furrows, succeeding each other, about once enriching showers run off, and the salubrious air For the New England Farmer.

MACHINE FOR PEELING WILLOW.

who are engaged, or contemplate engaging in the dore, will be read with interest. The tree is valcultivation of the basket willow, will be pleased to uable in dry countries as furnishing what is there learn that there is a machine for peeling the wil-much wanted, a supply of food for eattle in seasons low. Mr. George F. Colby, of Jamesville, Vt., of drought. the inventor, has had a machine made by which its merits have been fully tested; and all who have the States of Western Barbary, but principally in witnessed its operation, agree that it does the work the province of Haha, and south of this town. to perfection and with the greatest facility, and believe it to be one of the greatest labor saving mavery stony. It is usually found upon the hills, chines of the age. This, I believe, is the first ma- which are barren of all else, and where irrigation chine ever invented for the purpose, either in this is impossible. or the old country, and must add vastly to the cultivation of the article in this country. Mr. C., who of the trees, that they are from one to two hunhas been successfully engaged in the cultivation of dred years old; and a remarkably large one in the willow for several years, estimates the cost of this neighborhood, I should say, is at least three peeling, in the ordinary way, at from \$80 to \$120 hundred. This tree measures round the trunk per acre, or at \$40 per ton, while he claims that his twenty-six feet; at the height of three feet it machine, which requires but one horse power, with two men, wild do the same work within at least from two to three days, at the rate of one ton per day. Mr. C. has taken measures to secure a putent. Bolton, Vt., Dec., 1854. J. R. JEWELL.

THE CONNECTICUT VALLEY FARMER.—Prof. feet. This is the largest I am aware of. J. A. Nash, of Amherst, has become the editor and Proprietor of this paper, and we find its columns mostly by seed. When sowing, a little manure is filled with the well written and valuable facts so placed with it, and it is well watered until it shoots, familiar to the mind of the writer. The Valley from which period it requires nothing further. It Farmer, under the care of Prof. Nash, will be the bears fruit at from three to five years, which ripens medium of such intelligence as most of us need in from May to August, (according to the situation the operations of the farm. We wish it abundant of the tree.) The roots extend to a great distance success.

lbs. If any of our cultivators can beat this, we end and throw out the nuts, which are collected

—California Farmer.

outlay incurred for their maintenance, than ill kept women and children, which are well dried; the the excess above that which is absolutely necessal sidered very nutritious. ry; the quanity of nourishment which just keeps an animal alive, is to a certain extent lost. This The nuts are cracked by the women and children. we say is generally acknowledged, but we are sor- The kernels are then parched in a common earthry to say, not so generally practiced upon.—Rural en vessel, ground in handmills of this country, New Yorker.

Oregon Pippins, weighing 2 1-2 and 2 1-4 lbs., and the same as kneading dough) until the oil sepaone splendid Pear, weighing 1 3-4 lbs., were sold by rates itself, when the refuse is well pressed, which

sown cabbage plants through the winter, is a valu-able consideration. We know of none better able consideration. adopted for the great bulk of people, than the following, practiced to a considerable extent by market gardeners, and in dry, sandy or upland soil, with good success.

THE ARGAN TREE.

The following letter, descriptive of the Argan MR. Brown:-Those of your numerous readers tree, by the British Acting Vice Consul at Moga-

The Argan tree grows more or less throughout

The soil on which it is found is light, sandy, and

I should imagine, from the appearance of some is not more than sixteen to eighteen feet: the outer branches extend to a circumference of 220

under ground, and shoots make their appearance POSTAGE.—Gentlemen writing the Agricultural at intervals, which are allowed to remain, thus Editor on their own affairs, and requiring a reply, doing away with the necessity for transplanting will be kind enough to enclose a stamp for the resheep, and cows are taken out; a man beats the PRETTY FINE CABBAGE.-W. C. Hoff, Esq., tree with a long pole, and the nuts fall and are has sent us from his fine gardens, at the Mission devoured voraciously by the cattle. In the even-Dolores, a very compact and finely grown Cabing they are driven home, and when comfortably bage, of the Flat Dutch variety, weighing 32 1-2 settled in the yard they commence chewing the should like they would bring along their specimens, each morning as soon as the eattle have departed upon their daily excursion. I have heard it re-FEED LIBERALLY.—It is generally acknowledged that cattle of any kind, when well fed and looked after, repay much more fully the judicious a general rule. Large quantities are collected by animals repay the niggardly expenditure incurred hull is taken off and stored for the camels and in keeping them alive. Profit is derived only from mules traveling in the winter. They are con-

then put in a pan, a little cold water sprinkled GENEROUS PRICE FOR FRUIT.—Two splendid upon it; then it is well worked by the hand (much Mr. Weaver, at No. 1 Washington Street, at \$10 completes the process. The oil is let stand and each.—California Farmer. the sediment removed. The cake (in which a WINTERING CABRAGE PLANTS.—Any method good deal of oil remains) is generally given to the simple and inexpensive, for preserving of autumn milch cows or goats. Some of these Argans are

Our doctrines are — feed the earth, and it will feed you - feed the apple tree, and it will vield fair fruit.



KINDRED ARTS AND SCIENCES.

FEBRUARY, 1855.

 $N0. \ 2.$

JOEL NOURSE, PROPRIETOR,

SIMON BROWN, EDITOR.

HENRY F. FRENCH,

CALENDAR FOR FEBRUARY.

"Loud howls the wind along the vale! Shipwreck and death are in the gale! Soon, weary travellers, as they go, Are wildered in the trackless snow, And dread, at every step, that sleet And snow may be their winding-sheet."



spots are in the fields and runners grate harshly on the gravel roads; silver streams glide on the clear ice, and the robins, perhaps, leave the thick swamps and make us a visit; but it is a brief one, for the north wind suddenly assumes the mastery. The elm tops sway and yield to its fierce breath; all is frigidity and congelation again; the condensed ice cracks like pistol reports, and wakens the drowsers in the chimney corners.

So all the Months have their peculiar characteristics. The agreeable author of the "Mirror of the Months" says "some one has said of the happen to have perused last. It is thus that I except through the medium of the present." estimate the relative value and virtue of the Months. The one which happens to be present month's calendar to improve the head as well as with me is sure to be that one which I happen to to occupy the hands, have had due consideration, like better than any of the others. I lately in-and that this important work will be continued sisted on the supremacy of January on various through the month of February. accounts. Now I have a similar claim to put in in favor of the next in succession. And it shall be arranged now while there is leisure to consider go hard but I will prove, to the entire satisfaction it in all its bearings. What fields shall be devotof all whom it may concern, that each in her ed to corn, oats, barley, wheat, potatoes? Where turn is, beyond comparison, the 'wisest, virtu- the peas, beans, turnips, carrots? Where the

on consideration, any one (but a Scotch philosopher) will be inclined to dispute the truth of this, even as a logical proposition, much less as a sentiment. The time present is the best of all possible times, because it is present—because it is because it is something; whereas all other times are nothing. The time present, therefore, is essentially better than any other time, in the proportion of something to nothing. * * * The eleverest Scotch philosopher that ever lived has said. in a memoir of his own life, that a man had better be born with a disposition to look on the seems to rest awhile in order bright side of things, than to an estate of ten thousand a year. He might have gone further, and said that the disposition to which he alludes is worth almost as much to a man as being compelled and able to earn an honest livelihood by the sweat of his brow! Nay, he might almost have asserted that, with such a disposition, a man may chance to be happy even though he be born to an estate of twenty thousand a year! But I, not being (thank my stars) a Scotch or any other philosopher, will venture to go still farther, and say, that to be able to look at things as they are, is best of all. To him who can do this, all is as it should be—all things work together for good whatever is, is right. To him who can do this, the present time is all sufficient, or rather it is all in all; for if he cannot enjoy any other, it is Scotch novels, that that is the best which we because no other is susceptible of being enjoyed,

Head Work.—We trust the suggestions in last

Plans.—The work of spring and summer should ousest, discreetest, best.' Indeed I doubt whether, early vegetables, the tomatoes, radishes, egg-plants,

cabbages! What breadth in each of the princi- from rotting. I therefore, after my last hocing, which oxen or cows sold or fattened, and how thrifty than the others. I had from my one-many swine kept? Shall the Garden have a fourth of an acre forty-one bushels of good sized small assortment of choice pears—the Bartlett, potatoes for cooking, and only three bushels of Shall Victor (William). small assortment of choice pears—the Bartiett, potatoes for cooking, and only three small ones; and the three-fourths of an acre small ones; and the three-fourths of an acre west of mine, that was planted with whole potatoes and currants, together with a grape vine or their appearance after being dry, whilst lying on their appearance after being dry, whilst lying on for permanent use to be stocked with the best ear-fourth were too small to cook. The potatoes for permanent use to be stocked with the best carlarge for permanent use to be stocked with the best carlarge for permanent use to be stocked with the best carlarge for the parallel para These will promote health, and afford a constant cut before planting! And what made mine the supply of delicious summer food, save the money best in the field! Was it the third hocing or the in your purse, and embellish the ground about the to find out by trying the experiment.

remain under cover; feed liberally with hay—in the morning when the dew was on; I applied sweet clover hay they relish highly—and give them occasionally any juicy roots cut finely, or a few beans, or a little corn or barley. They will I read the next Farmer, where I read that some one had saved his plums by throwing then bring strong lambs. Throw into their yards one had saved his plums by the use of lime water. also, evergreens of pine, hemlock or spruce I then used the lime water, and succeeded in boughs.

timely and liberal feeding; mileh cows, especially, will find much benefit from the use of the card.

When the plans alluded to are made, the stock all fed and warm, the wood-pile lusty in its proportions for another year, and the children with lessons well conned for the morrow's recitation, a dwarf from a shad-bush. Some twenty years are mingling in the social conversations around since I was grafting pears in the back part of my the evening fire, what prince or potentate but lot, and having a scion or two left, I inserted one would envy the farmer his simple and pure delights, his hours of unalloyed domestic bliss!

long for households such as these.

For the New England Farmer.

THE POTATO----CURCULIO----SHAD-BUSH.

Mr. Editor:—I am going to write something about the potato, the curculio, and grafting the shad-bush; I hired one-fourth of an acre of land in a field where some four others hired from one-fourth to three-fourths of an acre each, and all planted potatoes, the rows running north and large, and were cut, the same as on the piece hope to hear from him as he proposes. east, and the piece next west, (three-fourths of an acre,) the potatoes were whole and mostly large plaster to one of salt, would prevent potatoes ages of the forty-seven, 5268 years.

pal crops, how much seed per acre? What trees (I hoed them three times,) applied the salt and shall be planted, and what location shall they oc-enpy? How much stock shall be summered, potatoes: mine were much grown and the other two of the best varieties? Shall beds be formed the ground, I should think, at least, that one-

One word about destroying the curculio. I Sheep and Lambs require especial care in February. Leave it optional with them to go out or were out of blossom, to throw dry ashes on them raising a large crop of very nice plums, whilst one of my neighbors raised but very few, and that one by the use of a few applications of lime water. So you see that lime water would answer the purpose if applied often enough.

In the Farmer of Nov. 25th, there is a letter from "Far East," recommending the shad-bush as a substitute for the quince for raising dwarf pears. I will tell you how near I came to getting in a shad sprout, some three-fourths of an inch through and six from the ground, merely for pastime, not even thinking it would grow; but FEBRUARY, cold and rough as it is, is none too the first time I passed that way I discovered that it was growing nicely. I watched it through the summer, tied it up occasionally, and in the fall, after the leaves had dropped, I measured it, and it had grown over seven feet, and had much more the appearance of a grape vine than it did a dwarf. It grew and bore pears some two or three years and died, but the pears were always dwarf, quite small of their kind.

Yours ever, NOT FAR WEST. Shelborn, Dec. 28, 1854.

Pears.—We would call the attention of the reasouth. After my first hoeing, I put on ashes der to the article on "Pears," as it is from a genand plaster, and the piece east of mine was served theman who has given the subject much attention. the same. The potatoes that I planted were not We welcome him heartily to our columns, and

The Centenarians.—Forty-seven persons died that were planted. A short time before my last m the United States during the past year over hosing, I read in the New England Farmer that 100 years old. Of these, one was 128, one 130, salt mixed with plaster, in proportion of two of and one 146. The eldest was a negress. United For the New England Farmer.

GRASS CROPS.

REPORTED TO THE CONCORD FARMERS' CLUB BY JOHN B. MOORE.

important to the farmer, from the fact that for most nutritious hav. the whole year the cattle, horses and sheep depend mainly upon the grass and hay for their sus-lence in reclaiming meadows and swamps, that to tenance.

the fertility of their land.

veniently as by consuming the grass and hay on before it has time to grow to be a full crop. their farms. He who improves the capacity of We have also examined the crops of grass g his farm for producing grass for feed, or curing on meadows reclaimed in various ways, and in for hay, and then consumes the same, or if he our opinion the too common practice of burning sells it, buys manure to replace what it would make, and also takes good care of the same, will, first crop will probably be good, the land and afin a short time, increase the productiveness of his ter crop will be much larger and better without land, and not only enable him to raise larger the burning than with it; burning leaving a tenquantities of grass, but also of grain, roots, and dency to moss and wild grass. other vegetables.

course we cannot keep a large stock of cattle, and dition than it would if it had been reclaimed in a we must keep this stock or we shall not have different manner. much manure. If we do not by manure enrich our soils, we shall fail to produce good crops, and product of our farms; with it, we are enabled to poor crops do not pay.

we are acquainted.

in July, perhaps succeeds better than any other from the same. way on very dry soils.

both ways, then sow about 1½ pecks herds-our land. grass, and 3 pecks red-top seed per acre; cover with a brush-harrow, pick the stones, and finish by rolling down smooth. We formerly sowed a larger quantity of seed, but found after the first year that it made too thick a sward.

land the first crop will be increased largely by the addition of the clover; this we would advise to use for home consumption, and not for market.

and labor than dry soils.

Then as to curing, cut when in full blossom if you can; where there is a large quantity to be secured, it is necessary to begin on a portion as early as possible, so as to enable us to get through before it is over-ripe. There is, however, quite a MR. PRESIDENT :-Of all the crops grown in difference of opinion with good farmers as to the New England, perhaps the Grass crop is the most time when it should be cut, so as to make the

We would also say that it has been our experiproduce a large crop of good grass, it is necessa-And the farmers procure just what they want ry that the land be well and thoroughly drained, from keeping this stock, and what they must and have a good dressing of sand or gravel, or a have, that is, a large quantity of manure for pro-large portion of the same in the compost manure ducing this and their other crops and increasing applied before and after seeding. Otherwise, however well manured, there will be a weakness In no other way can they get manure so con- of the straw, which will cause it to fall and rot

We have also examined the crops of grass grown

There are acres of this burnt land in our own And in fact, nearly every thing in our New town, that, after one or two seasons, have run England farming depends on the grass and hay, back to wild grass, and which it will require for if we do not have a good supply of these, of nearly twice as much manure to keep in good con-

You will see the importance of this leading supply ourselves with a plenty of beef, mutton, As to the manner of cultivation, we do not ex- and milk; the product of the last named has bepect to impart any new ideas, but merely to state come a very large business near the cities and some of the best methods now in use with which large towns, our own town furnishing not less than 1200 gallons daily for the Boston market, For high lands, spring seeding with small besides milk and part of the butter and cheese for grains, particularly barley, or planting corn, cul- our own consumption; all of which is almost tivating it with a flat surface and seeding to grass entirely dependent on the grass, and hay made

Then let us increase largely the quantity and On low, moist upland, and reclaimed meadow, quality of this product of our land, not feeling plow in August and September, roll down the satisfied to produce any less than two tons per furrows, put as much compost manure as you can acre, and, as before stated, by largely increasing spare—not less than twenty ox-cart loads to the the same, we are, by the manure made from it, acre, and more would be better-harrow well enabled to increase every cultivated product of

> For the Committee, Dec., 1854. JOHN B. MOORE.

THE OLD FARMER'S ALMANAC.—JENKS, HICK-Clover we consider a good crop to grow on dry Ling & Swan, Boston, have published number soils; and probably the best way to produce it is sixty-three of this old favorite of the farmer. It to sow it with the other grass seeds. On dry tells us almost everything about the stars and eclipses, and how to cast the interest on our bank stock; tells us of the commencements, Your committee are satisfied that we must de- American Presidents, nucurrent bank notes; pend upon our low, moist soils, for most of the when to look out for a snow storm, and a high grass that we cure for hay. Upon almost every tide, and has twelve capital little sermons on its cafarm there is more or less low-land, covered with lendar pages. And then it asks a theap of such brush, or wet meadows and swamps, which are curious questions," and gives "lots" of good adunproductive in their present condition, but may curious questions," and gives "lots" of good adeasily be made the best and most productive grass vice in various ways. How should we know any thin allow to plant a plant of plant are say, kill our hors or salt land on our farms, and after being reclaimed, will thing when to plow or sow, kill our hogs or salt produce much more grass with the same manure the pork, without the "Old Farmer's Almanac; by Robt. B. Thomas!"

A LESSON IN ITSELF SUBLIME.

A lesson in itself sublime, A lesson worth enshrining, Is this-" I take no heed of time, Save when the sun is shining." These motto words a dial bore, And wisdom never teaches To human hearts a better lore Than this short sentence teaches. As life is sometimes bright and fair, And sometimes dark and lonely, Let us forget its pain and care, And note its bright hours only.

There is no grove on earth's broad chart But has some bird to cheer it : So hope sings on in every heart, Although we may not hear it; And if to-day the heavy wing Of sorrow is oppressing, Perchance to-morrow's sun will bring The weary heart a blessing. For life is sometimes bright and fair, And sometimes dark and lonely, Then let's forget its toil and care, And note its bright hours only.

We bid the joyous moments haste, And then forget their glitter-We take the cap of life, and taste No portion but the bitter: But we should teach our hearts to deem Its sweetest drops the strongest; And pleasant hours should ever seem To linger round us longest.

As life is sometimes bright and fair, And sometimes dark and lonely, Let us forget its toil and care, And note its bright hours only.

The darkest shadows of the night Are just before the morning ; Then let us wait the coming light, All boding phantoms scorning; And while we're passing on the tide Of Time's fast ebbing river, Let's pluck the blossoms by its side, And bless the gracious Giver. As life is sometimes bright and fair, And sometimes dark and lonely, We should forget its pain and care, And note its bright hours only.

For the New England Farmer.

REMARKS ON COWS.

Mr. Editor:—I was much pleased with the means for paying "the interest" is not the most good sense manifested in your description of a pleasant. That favorite colt, that web of cloth cow for family use, in your last paper. Just afspun by my mother's own hands and needed by ter I read that, I took up an excellent paper, the backs of her boys, and many other things published at Manchester, N. H., in which was that went, not to kill, but merely to keep alive, copied from the London Agricultural Gazette some that mortgage, are among the indelible impresremarks about "an extraordinary cow." I was sions of my "first experience."

curious to know what was deemed an "extraordi- No. 2. I loaned some money to a man in curious to know what was deemed an "extraordinary cow" in London. This animal is said to Michigan, whose land was paid for, and who had have yielded fifteen quarts of milk daily, on grass put up one of the neatest log-houses I ever saw. feed alone, four months after calving, of a qual-Three split logs, placed one above the other, were ity to give eleven and a half pounds of butter in of such size as to raise the walls sufficiently high a week. Pretty well this, but how does it com- for the roof, giving a comparatively smooth ceilpare with what is said of some of the cows and ing, and a look of solidity and comfort within, heifers of your own Middlesex? If'l do not mistake, gentlemen there have boasted of their Devon Stock, as yielding products far better than idea of a mortgage, and, with tears said to her this. Milk of a quality to give a pound of but-husband, "It will turn us and our children out

full credit to the statement, and do not now. seems to me hardly possible to find a cow that will give milk, that will yield more than a pound of butter to each and every eight quarts of her milk—whatever may be the breed. If I could find a herd of cows that would do this, I should be satisfied. INQUIRER.

Dec. 25, 1854.

For the New England Farmer.

MORTGAGES---SHADE---CRITICISM.

"A Medley."-As this article in the January Farmer is devoted to myself, I wish for a little more space in reply than would be admissible in the narrow limits of my usual monthly review; not so much from any desire or intention of controversy as for an opportunity of giving the reasons for my caution against mortgages. Agreeing perfectly with friend Durand, that every writer should be allowed his own "say," I have never supposed that any of my running comments could be considered as an infringement on this privilege, especially as I fully believe in the correctness of the sentiment, bluntly expressed by old Dr. Johnson to one of his sensitive friends, "Depend upon it, sir, no man was ever written down but by himself."

Regarding the subject of mortgages as one of vital importance to the young farmer, and believing that a false step on this ground is often the most fatal and irretraceable of his whole course, I am induced to give somewhat in detail my personal experience with mortgages, although by so doing I expose myself to the charge of egotism-but, "how can we reason but from what

we know.

For the sake of distinctness, we will allude to our experiences in the mortgage line, as they oc-

eurred in the order of time.

No. 1. The small fund of money that I saved of my earnings, for some three or four years after twenty-one, was devoted to a debt on the homestead, that descending from my grandfather, was lived under by my father, and, after myself, was assumed by two others of his sons; yet the old farm had to be sold at last, and the family name of your humble "commentator" passed from the title-deeds to the "ancient domain." Among the earliest recollections of my boyhood, that of the efforts of my parents to "raise" the

ter to each and every four quarts,—on grass feed of the home we have labored so hard to make alone. This may be so, but I never could give comfortable." But, almost in the language of

it,-I must have a team and do something." He was corded with strans of bark. did have a team, and soon told me he had thirty ing from his crops for the mortgage. The result cow might starve before he could get in and harwas, that long after the mortgage was "out," vest a crop. He was ashamed to beg, and would not having enough of the Shylock in my componiot borrow. So he broke up "housekeeping," sition to "forcelose," an exchange for newer and left his land to "lie unimproved," and let himcheaper land was effected; and if the good wo-self by the month to purchase provisions for a fuman and her children were not exactly turned ture campaign against the noble old forest monout of house and home, as she predicted, they had archs. After clearing land a few years, but makto exchange the old home, with its garden and ingrather slow progress, he exchanged his eighty beautiful young orchard, for one without these acres of timbered land for one-half as many of comforts, and without the associations that clus-"Openings" which were mostly subdued. Here ter around the "first place." Nearly twenty he soon got a start in the world; improved his years have chapsed, and that mortgage is still buildings; bought more land; collected about alive—only a part of the principal, to say noth-him the conveniences of life, and years ago, ading of interest, then loaned, has found its way mitted to me that he had as much property as he back to my pocket.

No. 3. Secured by a mortgage on a small

No. 4. Lastly, for a few years as mortgagor, and we leave it here. I have tried "living under" a mortgage on a When I wrote the small farm. I had but just shaken it from my thought of making some remarks upon Mr. Dushoulders, when I commented so warmly upon rand's stricture on my comments on "Improving Mr. Durand's recommendation of mortgages, and Soils by Shade." If he will read the first column made the awkward, but, I think, very natural of that article on page 499, November Farmer, in comparison of the "nightmare." With a pretty connection with his own strictures, I am willing large family to support, with semi-annual inter- to abide the decision of the tribunal to which he est to meet, with a grim "principal" looming up appeals, waiving my right to the "closing argain the rear but not in the distance, and with the ment." The space he occupies with comments income of the labor of but a single pair of hands, on a few lines from my review, will suggest to if a man don't experience something like the him the impossibility of my profiting much by "nightmare," then what does he experience?

I have seen of their operation in other hands, I cite curiosity, or to present some additional hint

ges which are fastened on farms, two, or one- my brief extracts, or by unfair criticism, it was half of the whole, unhouse the mortgagor or his certainly unintentional. Of all the many writdescendants; and of those that are paid, one-ers whose labors have done so much to give the half are indebted to trade, or some source other Farmer a reputation for sound sense and practithan farming, for the means with which it is eal value, he is the last one with whose feelings

Did I, then, make "an uncommon great bug-bear out of very small materials?" "A little shows what a great deal means;" and on this principle I wish to be excused for parading so

"frighten" but to caution.

trees, his neighbors helped him put up a cabin, cost of the gravel-wall. 9. Foundations. 10.

Mr. Durand, he replied, "I cannot afford to let With his axe and a borrowed auger he made our land lie idle,—there is no if nor and about chairs, tables, milkpans, and a bedstead which

He then went bravely at the giant oaks but it acres in wheat, but then he must have a large was slow work to clear off their huge trunks, and barn and other "improvements," which left noth- he soon saw that hims If and wife, his oxen and wanted.

I will here remark, that I regard a mortgage New England farm, I loaned a small sum of mo- for the purchase-money of real estate, as quite a ney. The mortgagor never paid a cent of either different thing from one for "improvements," or principal or interest, but long after the notes conveniences of any kind. Two of my four mortwere "over due," they were paid in full by a son gages were given for the purchase-money of the of his who was a merchant's clerk, and wished to premises; and both these were paid off. But give his parents a home.

When I wrote the caption of this article. I his advice. To place the leading, or some strik-So much for my trials of mortgages. From what ing idea of an article in a position that shall exbelieve that my four experiments may be taken or fact, has been the humble object of my month-as a fair average of the whole, were their history by Mr. Durand would occupy quite too much We thence infer that of every four mortga-space. If I have done his articles injustice by I would intentionally trifle. A READER.

Winchester, 1855.

A HOME FOR ALL.

much of my personal history, and for my appreciation of the "materials" it affords, not to ers and Wells, Publishers, 142 Washington St.. Under this attractive title, the house of Fowland 308 Broadway, N. Y., have issued a neat In contrast with the mortgage principle in volume of 200 pages, written by O. S. Fowler. general, and with that of my No. 3 in particular, as well as to illustrate the truth of the adage, that "where there's a will, there's a way," of building, and discusses the following heads: even without a resort to mortgages, I wish to I. Nature's Building Materials. 2. Wood is obgive the outlines of the history of another Michigan farmer, who had just money enough to Stone Walls. 5. Selection of the material. 6. 'take up,' at government price, an eighty-acrelot of timbered land, pay for a cow, a small pair of oxen with yoke and chain. Felling a few Placing and working the mortar-bed. 8. Relative Mode of placing the boards for boxes. 11. Scaffolding. 12. Width of walls and their solidity. 13. Door and window frames. 14. The top of find this book valuable to them.

For the New England Farmer.

PLOWING LANDS IN AUTUMN.

requesting you or some friend to write, (if you have thought best) against a prevalent practice which I considered detrimental to good husbandry, viz.: Plowing lands on which corn and all hoed crops had been raised the past summer, and which had been highly manured the previous spring. I relimited, compared with many others, I propose to gret that I was understood in that communication to be a greinst fall or autumn placing. the fall, before the frost kills the vegetation, all of which may be found described in Cole's The difference between plowing such lands before fruit book. or after the vegetation is killed is similar in point of economy, to plowing in a field of clover in its green state, or letting it remain until it is nothing but dry straw.

I was as much surprised at the remarks of your correspondent, "A. K. P. W.," as he was at mine. I did not believe there was one farmer in New England who had given the subject due consideration, that would say the manure left on the surface by the last hoeing, say in the middle of July, and remained there until the middle of November, (four months) would retain much if any of its fertilizing properties, or that it would be good economy to plow up a fresh supply of saing six mouths, without a particle of benefit to cross between the Sweetwater and Hamburg.

of his soil.

eral succeeding crops? Yours respectfully,

II. S. PERRIN. Orfordville, Dec. 18, 1854.

For the New England Farmer.

SELECTION OF APPLES.

In grafting or planting an orehard, it is of the the wall. 15. Chimneys, ventilation, &c. 16. utmost importance to obtain the best varieties un-Outside and inside finish. 17. Cost of the gravel-der cultivation, those which are productive, the wall. 18. The quality of this gravel-wall, and, fruit of the first quality and the trees hardy, and 19. Vermin are excluded from it. The work is proach as near as possible to this standard, alnot confined, merely, to the subject of construct-though there are but few varieties that unite all ing buildings on this plan, but speaks of the requithese qualities. Varieties are so numerous at the sites of a good, comfortable home, and some of its present day, that recommending a selection for embellishments. Those who intend to build may cultivation is rather perplexing and difficult. There are many kinds which rank as first-rate, although there is a difference of opinion with regard to some of them; this is not surprising' as tastes differ. An apple which one might pronounce first-rate, and which, indeed, might be so, another, perhaps, would eall second-rate: yet Mr. Editor:—I was surprised to see my name there are kinds with respect to which nearly all in your paper under a private communication are agreed, and which are universally known as requesting you or some friend to write, (if you first quality; these should be extensively propation to be against fall or autumn plowing, ex-familiar with them all for years, and found them cepting the lands above named. I know that all all things considered, among the best. I can with grass or stubble lands should be plowed early in confidence recommend the following list, nearly

> Early Williams, American Red Juneating, Gravenstein, Shirley Apple, or Foundling, Spice Sweet, Hubbardston Nonsuch, Willis Russet, Minister, Mother, Baldwin, Leominster, Dec., 1854.

Early Bough, Leland Pippin, Porter, Superb Sweet, Danvers Winter Sweet, Rhode Island Greening, Roxbury Russet, Seaver Sweet, Jewett's Red, Priest Sweeting.

O. V. HILLS.

For the New England Farmer.

THE DIANA GRAPE.

Mr. Brown:-In the "Transactions of the inexhausted manure to cover the little that remained on the surface which had been already year 1853," which I had the pleasure to receive exhausted in promoting the growth of the last from you, I find the following, speaking of the crop. Such a course would expose that fresh supply to be exhausted by inhalation for the enthe famous Diana Grapes. They seem to be a the next crop. "Money makes money," it is We understood that they are ripened with diffi-the same with manure. Let us examine this "A. K. P. W." says that fall plowing kills statement and see if it is correct. When I first the insects which destroy the crops. It may be saw the above I was inclined to think that it was so, but a New England farmer who will not hus- a mistake of the printer—that unfortunate class band his manure to the best advantage, will not who have to shoulder so much blame—but if it long have crops for himself or insects to destroy, was, why did not the proof reader find it out and He also says that lands plowed in the fall stand correct it, or did he not know but what all that the drought better than if plowed in the spring. If so, that must be attributed to some peculiarity That the Diana is a famous grape I will not defeated by the state of t ny; it is bound to become more so: but that it As manure is the great desideratum, I would is a cross between the Sweetwater and Hamburg ask, what is the best method of rendering one I do deny, as it bears no relation to either of those dressing of manure the most valuable for the sev-varieties in any respect. It was raised from a seed of the Catawba, by Mrs. Diana Crenore, of Milton, Mass., who received the grapes from Squire Seaver, of Roxbury, who had a very flourishing vine of that variety, which, though its

original owner is dead—still lives. It was orighardy grape, or one that ripens earlier.

Newton Centre. J. F. C. H.

For the New England Farmer.

LIME---SALT---THE CORN CROP.

el. Also we want to know how much of the gross partieles of the earth into sugar for the preparation "will pay" to lay on an acre, and, stalk and milk for the seed. also, why it will not answer to apply it to the hill a smooth, rolling surface, and moderate southern ean equal—a golden ear of corn. slope. The soil is somewhat sandy, light, with loads to the acre, and planted to corn, producing perfect man.

a fair yield. Last year it was manured broad- The growth of the stock is of less consequence the acre, harrow well and plow again crosswise; ber. harrow again, and strike the furrows 3 feet the guano with the soil, and plant my corn. | ment is placed within reach of the plant at the

About the second or third hoeing I will put ininated several years ago, and shown at the Mass. to each hill a spoonful or more of guano and hoe Hort. Society, when their rooms were in Tremont it in. I have always put a portion of my manstreet, and named by the Society, in honor of its ure into the hill, sometimes as much or more originator. Until within the last five years it has than I spread before plowing. My corn has alattracted but little attention. "We understood ways been remarkably thrifty, until about time that they are ripened with difficulty in the for the ears to form, when the plant would seem A greater mistake could not have to want sustenance to finish its work, consebeen made, and I am surprised that any Commit-quently I would get a full growth of "fodder" tee that had had any experiences or associated and a moderate yield of corn. I think the corn with those who had, or even read the reports of plant is benefited by the manure in the hill durthe different Agricultural and Horticultural Soci-ling the time its stalks are growing, say in May, eites, should ever prepare such a statement for the press. The great merit of this variety is in ing roots extend far beyond the circumference of its early ripening,—a fortnight at least before the hill leaving few feeding roots near the centre the Isabella, and four weeks before the Catawba. of the base of the plant. Now it is not to be won-The greatest grape grower of Massachusetts says dered at if the manure is chiefly placed in the hill. it will be fifty years before we get a grape supe- that the plant should be thrifty while the extremrior to the Diana, that it will ripen when the Is- ities of the roots are working their way through abella wili fail. I will not accuse the committee the hill; nor is it any more strange that the earof making this wrong statement for any selfish or ing should be moderate when their supplies are wrong motives, nor am I disposed to find fault furnished by roots which have extended their with their report merely for the sake of finding feeders far and wide, until their extremities meet fault, but because I saw that such a report was and mingle with the roots of neighboring hills. calculated to do mischief by leading people as-|The fulness of the ear and kernel must in a great tray. I think it will be hard to find a better measure depend upon the supply of nourishment found by the roots after they have extended from the hill. If the manure be mostly spread and plowed in, we expect that it benefits the crop most when it is most needed, viz.: when it is forming the kernel.

The corn crop draws the base of its support Messrs. Editors :- I have read something of from the ground; its roots extend wide and deep; Prof. Mapes' ideas of using salt as a manure in their microscopic filaments absorb only the moist connection with lime. The lime is to be slaked minute particles of nourishment which pass with a solution of common salt, and to be used along the vessels undergoing chymification and for sowing broadcast with oats, etc. We wish to chylification, a complete process of digestion, unknow whether this manure "will pay" when til it is fitted and entirely adapted to invigorate lime costs \$3,00 per tierce and salt 5s. per bush-|the system that has taken it. It converts the

Chemically viewed, the corn plant is a laborafor corn? I have tried the old fashioned method tory compared to which Prof. Mapes' is but a of raising corn, and raised from 25 to 40 bushels shadow. Its crucibles are self-formed from its to the acre, until I think I can improve the crop germ; its furnace the glorious sun; its material by improving the method of cultivation. The elicited from the gross matters that compose the following is the plan I propose "doing the corn crust of the earth itself; its experiments always next year. I have a piece of land with successful, and its product what no human art

Physically, it may be compared to the human heavy clay bottom; it has been plowed usually digestion, first dissolving its food, then separating 4 inches in depth, and the crops taken off since its chyme and chyle, and conducting the refined the "memory of the oldest inhabitant;" consequently the surface was nearly exhausted to the ous organs, climinating all the secretions necesdepth of four inches when I plowed the field two sary to its own growth until it is lodged in such years ago, manured broadcast with about 25 parts, where it is needed to form and sustain the

cast and plowed in, producing a very heavy crop than the production of the car. The stock is of oats. About 16 loads to the acre were plowed mostly formed when the supplies are largely in for the oats. On this piece I propose raising drawn from the hill, and the ear when the matecorn next year. I shall spread and plow in (ten rial is gained mostly from the adjacent soil, in the inches deep) 40 or 50 loads of stable manure to latter part of July, August and early in Septem-

The largest growth of stocks is not necessary apart and about 8 or 10 inches deep, then cross-furrow the same depth. Then take a bag of essary to get a certain amount of vigorous stock guano (Peruvian) on one side, and a bag of seed-in a healthy and thrifty state, when the ears corn on the other; with a hoe I will fill the fur-set and the fall feeding is to commence to form rows where they cross each other; mix a little of the kernel. If an adequate supply of nourish-

other things being equal.

commingled it to the greatest depth and in the most to be regarded with respect. intimate way with the soil, planting properly, and keeping down the growth of all extraneous substances.

The average corn crop in the southern part of than it receives from other towns.

munerative. Quinces, wool, and early lambs for mouthed, no-paced horse. market, are no small sources of revenue to many of our friends. E. G. Cross.

Guilford Centre, Dec. 8, 1854.

For the New England Farmer.

ANCIENT LANDMARKS.

In this day of progress extraordinary, by the power of steam and with the speed of lightning, depends upon the mouth, and likewise a vast proit is gratifying to find some things stable and un-shaken. Never were we more strongly impressed tions which render exercise on horseback pleaswith this sentiment, than on turning over the ant or toilsome. A good mouth is the medium leaves of the 36th Annual Report of the Worces-by which any improvement in the natural carter Agricultural Society. Thirty-six years ago, thought we, who were then in the ascendant, and where are they now? Nearly all those in active carries himself may, to a very considerable extent, life then have passed away. One honored name be controlled; but when at full speed, or even still remains, vigorous and instructive, as appears when nearly approximating that pace, his unre upon these pages. Hence a lesson, despise not the instruction of the Fathers. "Young folks think slow paces, improvement in the faster ones may old folks fools—Old folks know young ones to be be slightly obtained; but that must be brought so." If we do not mistake, this modest volume about by very moderate attempts, otherwise the of about 100 pages will be found to contain lesaction of the animal, far from being corrected, sons of instruction, worthy of preservation. None will inevitably be rendered worse. A horse that of your images stuffed for show—but real substantial matter. We refer particularly to the ant to ride than one which runs with his nose statements and reports on the management of down to his knees; or the reverse, with his head farms—of daires,—of root crops, &c. The wit in rivalry with that of his rider; and such defects poured out on swine, and other kindred topics, are, in most cases, capable of correction if propwill do very well at the table, but is hardly wor- erly treated in juvenile days; but too much conthy a place on the shelf of a library. It requires straint is adverse to pace both for racing or huntary a Fessenden, a Lincoln or a Poole, to use wit on topics agricultural, in a manner that will not be may, in many instances, be remedied by using a many instances, be remedied by using a many instances.

will commend themselves to the favor of those who companied with good hands, this often produces elicited them. We had almost despaired of any an excellent effect, especially with young horses, thing good (except good dinners) coming from the which are disposed to contend against the control efforts of the Mass. Society. But when we see of a martingale.

It may appear as a contradiction, but when

right time the ears will be numerous, large, long Worcester and at Barre—and know that there and well-filled, the kernel plump, fat and shining, are other towns in other counties, that can do as well or better, if tempted to undertake it, we To conclude, I should expect the greatest have hope remaining, that the days of "improve-yield of corn to the farmer, who, (ceteris pariment in agriculture have not all passed away; bus) furnished the largest supply of manure and —and that the ancient landmarks are still worthy Essex.

Dec. 26, 1854.

TRAINING HORSES FOR THE SADDLE.

We have always been of opinion that horses Vermont, as far as my acquaintance extends, is, were used under great disadvantages, irksomely in my opinion, not over 30 bushels to the acre. Some few poor farmers I know, who do not get to themselves, besides awkwardly and annoying Some few poor farmers I know, who do not get to their riders who had not been educated, or, 20 bushels to the acre, whilst others average, taking the years together, over 60; very few 80; which they were intended. Compared with the which they were intended. Compared with the and rarely do I see a crop that yields 100 bush-number who receive no "breaking" at all—or els to the acre. The town of Guilford, I think, none save what little they get to quiet them to will compare favorably with the average of towns domesticity, from the hands of the country "colt in the south part of Vermont, for it exports more breaker," how few are they who have once had a an it receives from other towns.

This town produces about as much pork as is schoolmaster's whip over their heads. And yet, mount an animal of this numberless class, and consumed, quite a surplus of beef and butter, about its own supply of cheese, and a surplus of oats, barley and most kinds of fruit. The exports of fruit consist chiefly of apples, pears and the original points of fruit consist chiefly of apples, pears and the original points of fruit consist chiefly of apples, pears and the original points of fruit consist chiefly of apples, pears and the original points of this number less than the original points of the original points or the original points of the original points or th peaches, some of which are not exceeded. A few of our farmers are beginning to give a share of attention to growing some of the finer varieties of the grape, which, at present bid fair to be reduced to the grape, which, at present bid fair to be reduced to the finer varieties of the grape, which, at present bid fair to be reduced to the finer varieties of the grape, which, at present bid fair to be reduced to the finer varieties of the grape, which, at present bid fair to be reduced to the finer varieties of the grape, which, at present bid fair to be reduced to the finer varieties of the grape, which, at present bid fair to be reduced to the finer varieties of the grape.

> On all occasions it is a consideration of moment to avoid alarming a horse; and although this applies to every hour of his life, it is of greater consequence with young than with aged horses; that is to say, young ones will be alarmed at trifling objects, which at a future age they would

not notice.

The control which we acquire over the horse We trust the dairy experiments in this volume cheeks, and the curb chain hung quite loose. Ac-

horse carries his head too low, a curb bridle will should be particularly attended to, for such often be found the best remedy; and the contra-horses are very subject to hang on the bit-an diction is cleared up by the remark, that it is the imperfection likely to increase with age, if not way of adjusting and using the curb, that the counteracted. Although I so far advocate the difference of effect is produced. For the latter use of double rein or curb bridles for certain purpose, a short-checked bit, when judicious- purposes, let me not be misunderstood as recomly used, will, with many subjects, be found of mending them for general use; quite the reverse. feetual; and, in order to render it so, the hands Λ horse with a good mouth, carrying his head must be raised higher than usual at the precise in the true position, never goes so freely and instant when the animal endeavors to drop his pleasantly to himself, as with a snaffle bridle; head; by this means the curb is brought into but it is to teach the horse how to carry himaction, but should be again released when a self, that the curb is in many cases of great utiliproper position of the head is obtained. This ty.



STANDARD CLIMBING ROSES.

roses, formed by budding the different varieties idea that they would form very graceful penduous elimbing roses upon stocks of the standard lous trees; I accordingly selected from that family a few of its most interesting varieties. These varieties. We sometimes see stocks like minia- trees are, in the blooming season, pictures of ture trees; and these, by some of our most en-beauty; not a shoot has ever been touched by thusiastic rose growers, have been transformed the pruning-knife; there is consequently no forinto "weeping tree roses"—the most beautiful mality; their beauty consists in their gracefulornaments for lawns and gardens which can be contrast to the closely pruned heads of the finer imagined. Mr. Rivers, an English floriculturist, varieties of standard roses. was one of the first to illustrate and draw attention to the matter. He speaks of them as follows:-

beautiful varieties of Rosa Sempervirens would ers of the proper character for budding.

Our engraving represents the standard climbing have if budded on them, as I had some latent

Mr. Barry says that our native sweet brier, to be found in all parts of the country, is one of the best stocks for the purpose. The double prairie five or six feet high, and stout as broom-handles, Perpetual Pink, and other varieties, furnish flow-

STATE BOARD OF AGRICULTURE.

The State Board of Agriculture held a session at the State House on Wednesday, Thursday and Friday, the 3d, 4th and 5th of January. Every part of the State was represented, and the reports of the several committees were presented, discussed and referred. They show the improvements commenced, completed and anticipated. Among those completed are a building for the accommodation of the numerous small tools used by the boys, such as forks, rakes, hoes, shovels, &c.; a room for blacksmithing, one for depositing carts, sleds and large farming utensils, one devoted to corn-cribs, and for shelling of sufficient capacity to contain two thousand bushels, a carriage room, earpenter's shop, and a room for preserving and storing seeds. Another building has been completed sufficiently large to give one hundred swine ample yards, feeding and sleeping rooms; overhead is a large room for storing bedding or litter, and for keeping apples, pumpkins, small potatoes, or any of the early perishable articles which make up a considerable portion of the provender for swine in the autumnal months. This building is accommodated with capacious eisterns for receiving swill from the family of nearly six hundred at the Reform School, and for steaming vegetables or grain if thought desirable. In the front part of this building is a commodious slaughter-house, with a well and pump, and such conveniences as are necessary where slaughtering is required as often as once a week. work is all done in a plain but substantial manner, and the building affords such facilities for swine-breeding and raising as have enabled the Board to find a profit of some \$200 in the course of nine months in this department of the farm. New and substantial stone walls have been erected, drains made, and various expedients devised for the increase and preservation of manures.

The amount of produce sold from the farm during the year amounts to four thousand seven and influence of the members of this Board, and hundred and seven dollars and thirty-eight cents, and the amount of labor done on the farm for intelligence and practical experience. The need permanent improvements and for labor done for of some measure to elevate agriculture and prothe Reform School amounts to one thousand eight mote its success in the commonwealth, had long hundred and thirty-six dollars.

and impeded by the want of proper buildings to The plan which had now been adopted seemed to board the workmen, and suitable buildings must him, in the present state of science and of public either be purchased or erected for this purpose. sentiment, the best, or perhaps, the only one that The farm now lies mostly on one side of the could be devised. buildings, and the Board propose to ask the Leg-

large amounts of grass purchased and cured in order to increase the cows so as to furnish the supply of milk demanded at the School. But with this extraneous help this demand has not yet been supplied. More land and more buildings are needed before the business of the farm can be successfully prosecuted.

At the meeting of the Board of Agriculture on Thursday morning, Gov. Washburn was present, and presided until he was called away to attend to other duties at the Council Chamber. said—

"Before leaving the Chair, as it was probably the last time he should have the honor to meet with them in that capacity, he would say a few words at parting. He should be doing injustice to them individually, as well as to the cause in which they were engaged, if he forbore to express to to them the high personal regard which his intercourse with them had so much strengthened, and the interest he felt in their efforts to promote the Agriculure of the Commonwealth.

It had been a source of profound satisfaction to him that he had been permitted to take a humble part with them in urging forward the work in which they were engaged. And he eounted it by no means the least of the honors connected with the place which gave him the privilege of meeting and acting with them, that it had brought him into intimate relation with gentlemen who constituted that Board, and to know, by personal observation, their devotion to the purposes, for which the Board was created.

He was happy to believe that the interests of agriculture were assuming that importance in the public mind, which their extent and magnitude demanded. Its position among the other callings and pursuits of our citizens was becoming better understood and appreciated in the common wealth than it had hitherto been.

Not a little of this was owing to the character men like them, who had brought to it character, been felt. How it could best be done has long The operations of the Board have been limited been a desideratum in the policy of government.

It brought to the subject the combined knowlislature to purchase certain contiguous lands and edge and experience of gentlemen from different buildings, all conveniently located, to obviate the parts of the commonwealth, who, by full conferpresent existing difficulties. If this request is ence with each other, were able to test theories, granted, it will afford pasturage and mowing so and elicit what the public want to know, the as to double the number of cows now kept. Dur-truth of these as determined by accurate experiing the last year, pastures have been hired, and ment and sound observation. It provided, too,

with those of every farmer in the commonwealth, and whose judgment and accuracy could not be rich learn on which below the farm on which below the find the farm on which below the find the farm on which below the farm of t impeached by suspicion of improper bias or self-interest. He could not but congratulate the people of the commonwealth in the promised results of this system. Nor could he, with less satisfactions of this system. Nor could he with less satisfactions of the commonwealth in the promised results of this system. Nor could he, with less satisfactions with me whether the plaster that I used was good. I have no means of the commonwealth in the promised results a question with me whether the plaster that I used was good. I have no means of the commonwealth in the promised results and the commonwealth in the promised results are planted polarities, and the commonwealth in the promised results are planted polarities, and the commonwealth in the promised results are planted plaster in the hill. Where I put plaster, I got 21 lbs. of potatoes; where I did not, I got 23 lbs., or in that proportion. the honored instruments in carrying out so interesting and important an experiment. He doubt- The plaster came from Vermont. ed not they would continue to pursue the objects for which they had been appointed, and would find their reward in a proper appreciation of their services by a generous and confiding community.

In taking leave of his associates at that Board, over whose deliberations he had been permitted to view of your position, experience and influence, preside for a brief period, he again assured them from connection with Agricultural Societies and of his syntiments of high regard respect of his with the State Board of Agriculture, you will of his sentiments of high personal respect, of his best wishes for their success in every pursuit of attention by the following suggestions. It is not life, and for their long-continued happiness and uncommon for men who have given their prinprosperity.

He thereupon left the chair, which was resumed by the senior member present, and took leave of the Board."

For the New England Farmer.

FALL PLOWING----PLASTER.

Mr. Brown:—There has been a number of articles in the Farmer recently upon "Fall my experience has led me to be in the last three or four years, I have plowed the of concentrated genius and high standing in variby the worms. I think that by plowing late in the fall, the worms and eggs of insects are exposed to the frost and are thus destroyed.

PLASTER AS A FERTILIZER.

efit derived from the use of plaster of Paris, and ing sows, from three to five years old; another I suppose justly said, too, for I know that it is a lot that will average 350 lbs., at eight months great absorbent, and useful in many of its appli-old, at a cost of four and a half cents per pound; cations; but my experience the past season has and 1200 loads of manure, with his method of led me to call in question the utility of this making and applying it. This is one man, and sovereign combination of lime with sulphuric his profits are large by pursuing one branch of acid as a fertilizer, as applied to crops. Last business, well understood. spring I planted a patch of potatoes, and be-tween the hills I planted peas; both came up of the justness of his views, viz., that "the best well and grew nicely; but about the time of the interests of the State might be promoted by seplaster. The result was, where I put plaster on the facts ascertained through the press, under the peas, they were stone-dead within a week or two; but where I did not put plaster, I had a fine crop. When I dug the potatoes, those where by the ''Hampden County Agricultural Society,'' the plaster was applied fell short of those where to prepare an article for their next anniversary there was none, at the rate of one bushel in on the subject of "manures," which he did, and eight rods; the land was a sandy loam.

where I applied plaster to the whole of it in the best farmers, and collect facts deemed most im-

for a body of men whose interests were the same hill; the potatoes on this piece were light, exrich loam, on which I planted potatoes; to one-

> analyzing. I did not know before that crops were ever the poorer for the application of plaster.

E. P. Woods. Yours, &c., Newport, N. H., Dec. 20, 1854.

For the New England Farmer.

OFFICIAL VISITS TO FARMERS.

To the Hon. M. P. Wilder:—Dear Sir,—In excuse me for making further demands upon your eipal attention to one branch of business, for the purpose of money-making, especially if they are bright, thorough men, to be superior, able to exhibit plainly—to demonstrate, as matters of fact, the results of their experience-to give reliable instruction, directions and examples of their skill and success in that one branch. This they are free to do, it may be as philanthropists, to benefit others, but surely as men. It is human nature. Said a sailor, "you know we all love to talk about that which lies nearest our heart." He has done so to get more perfect knowledge of favor of plowing at that season. I used to be his darling theme, or to get credit for his supertroubled by the worms eating my corn; but for of concentrated genius and high standing in varihis darling theme, or to get credit for his supeground late in the fall, where I was going to ous occupations. I have one in my eye, who plant corn the next year; and since this has could tell you, and show the best constructed been my practice, I have not been troubled at all stables and piggeries; the process of making and saving the most and best manure; by confining his attention to stock and swine growing, what feed and management would give the largest return for the outlay of every dollar and dime, and 60 shoats growing finely, at a cost of one A great deal has been said in regard to the ben-and a half cents each per day; his good breed-

first hoeing, I put a large table-spoonful of plas- lecting an individual in each county to visit the ter around each hill of potatoes and peas, in six farms reported to be good, and learn from the rows, and left the rest of the piece without any farmers their modes of cultivation, and present

the rods; the land was a sandy loam. also recommended to the society the employment had another piece of potatoes, on like ground, of a discriminating man, for a year, to visit the

tion, in view of the maxim,

"Greatest good is soonest wrought; Ling'ring labors come to nought."

If in this latitude, and with the increase of pelike old-fashioned nurseries, never budded.

taken in hand by the State. Men may be found sic change in the nature of the tree. Certain it who can bring head and heart and hand to this is that the Jargonelle (the "Espargne" of Rowork, with proper inducements, whose influence sier, and the "Gross Quisse Madame" of most will tell on society as certainly and as strikingly of the old French writers,) is the oldest pear exas the operations producing that splendid array tant, and is still not only a prolific bearer, but is of productions from the mechanic's shop, the the best of all the earlier dessert pears. It is nurseries and the farms do on our State Fairs. believed to be identical with the Pyrum Tarenti-

BENJAMIN WILLARD. Yours truly, Lancaster, 1854.

For the New England Farmer.

CULTURE OF THE PEAR.

For more than twenty years has the "pear fe-New England, and many and solemn have been the predictions that "the thing would be run into the ground," and the market so far glutted we see quantities of the former sold under the into the ground," and the market so far glutted by over-production, that pears would not pay for the cultivation. Nurseries have been established in almost every town—thousands of trees have been sold yearly at anction and at private saleand yet, strange to say, the price of pears in the market is higher this year than it ever was before. A dollar a dozen for handsome dessert pears is an ordinary price. When it is borne in mind that the pear crop is less affected than any other fruit crop of this climate by the casualties of the seasons, the facts here stated are sufficient Brussells, Souvrain d'Ete, &c. There is also Petit to show that there is no danger of over-production.

more money the past season from the product of not a v ry profitable variety for the market. two pear trees, than from any one other product of her farm. When good fruit of this kind sells the Bartlett, or, as it is called in England, Wilas high as \$15, and even \$20 per barrel, who liams Bon Chretin. This fruit is generally becan doubt its profitableness over any and all other lieved to have originated in Berkshire, England, agricultural or horticultural pursuits? The mistaken idea that it takes half a life-time to bring near London, whose name it bears there. It was

portant as improvements and principles in the from engaging in their cultivation; while others various departments of agricultural science and have gone into the business hap-hazard, without practice, committing them to writing on the knowledge, or experience, or perseverance, and spot; and from these items to prepare and pub- pronounced it a humbug, because it was with lish, in tract form, a plain, explicit statement them, as a matter of course, a failure. To those and direction on each one; and to circulate these however, who have any taste for pomological little manuals in all the towns, so that each far-pursuits, and have patience to learn something mer, by means of these and his lectures, may be from their own observation and the experience of reached, excited and instructed in a course of others, the pear culture promises a rich harvest. visits, to the great benefit of his family and com- It takes some years, it is true, for pear trees or munity. This suggestion was made in view of pear stocks to come into full bearing; in fact, the entire destitution of many families of any the long r fruiting is protracted, the better is the reading or lectures upon the subject of their vo- evid nee of the healthfulness of the tree, and of eation, and also of the lively interest that would its ultimate productiveness. Some fruit-growers be kindled up by a visit and paper, telling them consider very early bearing as an evidence of diswhat others are doing, and what they may do, ease in the tree; and it is often the ease that the that would be a subject of conversation and in-transplanting of a young tree will set it to quiry hardly to be expected without such an fruiting for a year or two, when it will apparent-agency. That was proposed for immediate adop-ly recover its decimated roots, and take upon itself a vigorous growth for a number of years without bearing at all. Let no one discard such a tree. It is only preparing itself for a ten-fold better ultimate harvest.

There is an impression abroad that all the old riodicals and fecturers, something is doing, still varieties of pears are "running out" or becom-an anxious observer will sigh in view of the slow ing worthless. This is a mistake. It is true progress of ten mage, and the languist substitution of the slow in the slow i progress of ten years, and the languid pulsation that the St. Michael or Dovenne, Crassanne, of very many yet poor farmers and their boys, Chaumontelle, and other favorite old pears, have deteriorated; but this is believed to be the result These things must be looked at; let them be of a too high cultivation, rather than any intrinnum of Cato, and the Numidium Gracum of Pliny, and has come down to us through more than two thousand years,

> "Unaltered by the frost of time, Or changing circumstance of earth,"

in all its original delicacy and excellence. Some as it is called, been raging in this part of of our nurserymen, we are sorry to say, have latter name in the markets. The two very much resemble each other in shape, in the growth of the wood, and in the time of maturing the fruit, but the Quisse Madame is much inferior in size and quality. The true Jargonelle is almost invariably reddish next the sun.

There are other early or summer varieties worthy of cultivation, such as the Julienne, the Burlingame, the Bergamot, the Sucre Verte, the Dearborn Seedling, the Sabine d'Ete, the Belle of Museat, the fruit of which grows in clusters, and ripens in July. It takes about a dozen of these A widow lady who owns a small farm of fifty pears to make a mouthful, and they are often sold acres not fifty miles from Boston, has received by the pint or quart at the fruit stands. It is

pear trees into full bearing has deterred many first cultivated by Enoch Bartlett, Esq., of Dor-

ish origin. In the various properties of vigorous flesh, cating six pounds of boiled potatoes daily, growth, great productiveness, delicious flavor, taking nothing with them but salt. Ten others and adaptedness to all soils, and almost all cli- ate the same amount of porridge and buttermilk, mates, no other pear can equal the Bartlett. It without the potatoes, as the first ten, but for din-

Duchess d'Angouleme, Maria Louise, Seckle, quantities of animal food, at least for persons in Napoleon, Heatheot, Dix, Capiaumont, Beurre confinement; the meat eaters, if they had been d'Amaulis, Beurre Bose, Fondante d'Automne, allowed ordinary exercise, which an individual Belle et Bonne, Beurre Spence, Cushing, Edge-usually takes when in freedom, might have exwood, Stevens's Genessee, Harvard, Moccas, Ur-hibited a very different result.—Philadelphia baniste, Wurtemburg, &c. All these are good Ledger. varieties, and produce well on most soils. The Napoleon is apt to rot at the core, but is other-

wise a superb pear and a prolific bearer.

Of winter pears, the best in all respects is the Beurre Diel. In some few cases it has proved a shy bearer, but it is usually prolific, and is remarkable for the healthy and vigorous growth of this year was much inferior to that of the last, and of the several proceeding years. No dealth fore hardly afford to discard it.

views, drawn mostly from his own observation Worcester, by all the counties in 1856. he will feel himself amply rewarded.

Somerville. E. C. P.

ans will find an argument for their antipathy to with one exception, also failed to comply with the flesh, in the result of some experiments made in regulations prescribed by the society, the commitmeal made into a porridge, with a pint of butter ter, that of Mr. A. G. Sheldon, of Wilmington, milk; for dinner, three pounds of boiled potatioes, with salt; for supper, five ounces of oatmeal with interest and profit. But in the opinion of

chester, which accounts for it synonyme here, which costs two pence three farthings per day. Another account represents it as a pear of Flem-Ten others gained three and a half pounds of produces equally well in the north of Scotland ner had soup; they lost one and a quarter pounds and in the island of Malta.

of flesh each; and twenty others, who had less The next best autumn pear, in all respects, ac- potatoes, but half a pound of meat for dinner, cording to the writer's experience, is the Flemish diminished in size likewise. From this, it would Beauty; and then come the Louise Bon de Jersey, appear that potatoes were better diet than smaller

DAIRIES.

FROM THE MIDDLESEX TRANSACTIONS.

It was a general remark, as well by the visitors its wood. The fruit is large, very heavy, very and of the several preceding years. No doubt juicy, sweet and delicious. The Easter Beurre this was owing to the effect of the severest drought by this was owing to the effect of the severest drought somewhat resembles the Buerre Diel, and is also a most excellent variety. The Passe Colmar is a very delicious fruit, and the tree a great bearer. Then come the Beurre d'Aremberg, the Glout Morceau, Van Mons Leon le Clerc, Winter Nelis, Souverain d'Hiver, Buerre Rance, Ne Plus Meuris, Bezi Vact, &c. The Vicar of Winkfield, (otherwise known as "Monsieur le Cure," or "Clion,") is quite extensively cultivated in this region. It is not by any means a first rate desert fruit, but it is handsome, sells well, and the tree is very prolific. The fruit-grower can therefore hardly afford to diseard it. There may be other varieties than those here moting agriculture, failed to bring out the show There may be other varieties than those here named, which the experience of fruit-growers has proved equally worthy of cultivation; but here is variety enough in all conscience, and all these the writer believes may be safely trusted by those desirous of engaging in the culture of the pear. Why it is that our farmers will wear out a lifetime in accumulating brend but stayle against the release of the Massachusetts Society to repeat them. We may mention in this case time in accumulating broad but sterile acres for to repeat them. We may mention in this contheir children, when they might with much less nection that the same society have decided to extoil leave them a far richer dowry in full-bearing county societies throughout the Commonwealth to discuss. He purposes, however, at his earliest and the leaves were convenience to size the result of the writer county societies throughout the Commonwealth to discuss. He purposes, however, at his earliest and the leaves were of them. convenience, to give the readers of the New England Farmer (with the leave of its editors,) his when the leave of the Worcester society, at

There were five dairies of cows offered this year and experience, in regard to the proper culture of the pear, and of fruit trees generally. If for premiums. One of these, Mr. Buckminster's anything he can say shall have the effect to in- fine herd of Devons, was deservedly admired by spire a better appreciation of the culture of fruit, every observer, but could not be considered by your committee because the proprietor failed to make any statement of its history or products as required by the regulations of the society. Four What a Man can lave upon.—The vegetari-other gentlemen also exhibited cows, but as they, the Glasgow prison, where it was found that ten tee could not consider them in reference to premipersons gained four pounds of flesh each in two ums, however well they might be thought to mermonths, cating for breakfast eight ounces of oat-it them. Only one of these dairies produced butporridge, with one-half pint of butter milk, the committee, the produce was not sufficiently

large to entitle him to a premium. It will be not fail to observe that amateur, and not practical seen that for his butter, which is certified by com-farmers, generally bear off the prizes, to the dispetent judges to have been of the finest quality, appointment and often permanent disgust of less he received only thirty cents per pound, although favored competitors. These gentlemen amateurs prepared in the best manner, and laboriously would add greatly to the obligations they have alstamped. This should not be so. Many conready laid the community under, if they would ensumers in Boston pay from forty to fifty cents a ter their fine stock for exhibition only, and leave pound, besides in some instances paying expenses the prizes to parties to whom they are a pecuniary by express from Philadelphia for butter, no better, object as well as a proper ambition.

to say the least, than his. If he, or others who The committee have observed with great pleasto say the reast, than his. If he, or others who deed a just pride in producing the best butter, would also take a little pains in marketing it, they would be more justly paid for their exertions. His cows are all described as natives. We suggest to him to add one Alderney to his herd, county in any direction. Fine eattle of the Jerset to him to add one Alderney to his herd. Her cream will give color and character to his sey, Ayrshire, Devon and Durham breeds are oftbutter, and enable him to advance his prices enseen mingled with the best native stock. Much from one-third to a half in a market where it of this improvement is also to be attributed to the would be appreciated, and where there is a de- "Massachusetts Society for Promoting Agriculmand far exceeding the present supply. Mr. ture," which has with well considered liberality Viles, of Waltham, exhibited a dairy of eight placed bulls of various breeds in different parts of cows, partly natives and partly grades of Ayr-|the Commonwealth, for public use. shire. His account of their produce, which is extraordinary, is submitted. The dairies of Mr. traordinary, is submitted. The dairies of Mr. John B. Moore, and of Mr. George M. Barrett, of Concord, were of a high order, showing well selected stock and great production of milk.

And here we may be allowed to express some doubts whether the statements of extraordinary produce of cows, as given by amateurs in the public prints, and which sometimes find their way into agricultural reports, have not done something to discourage the efforts they are intended to stimulate. In a late number of the journal of the Royal Agricultural Society of England, there is a communication from Col. Le Couteur, of Jersey, giving the produce of his celebrated prize cow "Beauty," and of several others, of the best specimens of the Jersey or Alderney cows. He says that "Beauty," in her best milk, yielded eleven pounds thirteen ounces of butter a week from one hundred and thirty-three quarts of milk (nineteen quarts a day,) being a pound to about eleven quarts. Some of the other cows gave twenty-six quarts of milk a day for a short period, and fourteen pounds of butter a week, or

a pound to thirteen quarts of milk. This contrasts strangely with the frequent statements made of the products of the same breed. our prizes. Would it not be well to make it a the Bartlett? condition that cows offered for premium shall in the Isabella grape is handsome and good, but the trial months, say from May to September, there are many locations in which it will not have no other feed than pasturage and green fod-der? Without such a general rule, it is to be vated and who has a vine sheltered on the south feared that there can be but little fair competition, side of his house, has seen his grapes fail only and that many people will decline it altogether for once in the past six years—the frost then blight-whose advantage it is equally proposed. In this ing them when they were of a light einnamon

For the Committee, James Brown, Chairman.

HONOR TO THE TOILING HAND.

All honor to the toiling hand, Or in the field or mine; Or by the harnessed fire or stream, Or on the heaving brine; Whatever loom, or bark, or plow, Hath wrought to bless our land, Or given around, above, below, We owe the toiling hand, Then honor-honor to the toiling hand !

It battles with the elements, It breaks the stubborn sword; It rings the forge-the shuttle throws-And shapes the social board. It conquers clime-it stems the wave-And bears from every strand The sweetest, best of all we have, Gifts of the toiling hand, Then honor-honor to the toiling hand!

For the New England Farmer.

THE CONCORD GRAPE.

This grape, which has created a great sensation of animals here. From four to six quarts of among the horticulturists, but which I have never milk, it is often said, give a pound of butter, tasted, (and perhaps may not for years,) must be And these statements come from parties whose a good fruit; but whether so desirable as claimed, accuracy and truthfulness no one can for a moment years only can decide. Should all the horticuldoubt. But what are the circumstances! Is this tural papers in New England extol it, its reputaextraordinary amount of butter made soon after tion would not be decided. From ten to fifteen the dropping of the calf and on good pasturage years' cultivation can only put the matter at only? Or is it made from farrow cows, or the rest. Though the Isabella may have faults, it strippings or morning messes? and are the cows cannot be easily supplanted or rivalled among highly fed with stimulating food? No doubt the mass of fruit-growers. How long would it these statements, made sometimes without all the take to establish the fact that we had an apple details necessary to make them well understood, that would equal the Rhode Island Greening, the have lad a serious effect on the competition for Baldwin or the Russet, or a pear that would rival

The Isabella grape is handsome and good, but department, as well as others, careful readers can-color. A western sun upon this vine, I think, is. But there are many locations, where a per-the price per pound of flour, and contains no son happens to have a garden, in which this moisture, while the best of flour holds from twelve grape would not ripen more than half the seasons, to sixteen pounds of water in a barrel. Cracked

good and as handsome as the Isabella, and surer at the same price per pound, to white flour, beto ripen, he merits the thanks of lovers of this cause more healthy and more nutritious. One fruit, and should have a good profit on his vines, hundred pounds of Graham flour is worth twice At present I have not one of them; but to see as much in a family as one hundred and thirtyone growing in a place already prepared in my three pounds of superfine white flour. Corn meal

W. Medford.

WHAT SHALL WE EAT?

that has stared them in the face for many years, than one hour. Buckwheat flour should never and now with this cold month of December upon be purchased by a family who are obliged to econthem in all its rigor, it behooves them to look omize food. It is dear at any price. It must be about for something to eat less costly than roast floated in dear butter to be caten, and then it is beef and plum puddings; for the two dollars a not healthy. Out-meat is as good in cakes as day, that some of them seem to think would en-buckwheat, and far more nutritions. But it is dure forever, has been cut off suddenly. It is es- more nutritious, and is particularly healthy for timated that fifty thousand persons have been children, in the form of porridge. thrown out of employment, since the cold weaththis purpose we offer a few suggestions:

would get the most substance out of fresh meat, a good meal to fifty men-one cent a meal. make it into soup, or stew, or pot-pic. In mak- Potatoes should be utterly abandoned by the

not buy bones.

ter. Let it be boiling when you put the meat in one bushel of the latter are worth for food as the pot. Do not buy fresh meat a pound or two much as a cart load of potatoes. All other vege-at a time. Buy a quarter or a half a sheep. You tables are still more uneconomical than potatoes.

is a quarter cheaper.

men as ever lived.

It is an article that no family, desirous of prace but as compared with coarse vegetables, it is imticing economy, can do without. It is a very measurably cheaper. A pound of sweet corn

would make it more certain, though not bad as it cheap, healthy, nutritious food. It costs only half and some where it would never fully mature. | wheat is excellent for sedentary persons. That If Mr. Bull has introduced a grape that is as and Graham flour should be used in preference, garden, is a "consummation devoutly to be costs less than half the price of flour. It is worth wished."

D. W. L. twice as much. It is not so economical in summer, because it makes so much fire to cook it. The first great error in corn-meal is in grinding it too much, and next in not cooking it enough. Corn-meal mush should boil two hours; it is bet-With one of the hardest winters for the poor ter if boiled four, and not fit to cut if boiled less

er commenced, by that cause alone. An equal worth from \$1,50 to \$2 a bushel, and retail for number have been thrown out by failures and 8 cents a quart. Prof. Liebig has stated that pork general stagnation of business. It is to be a win- and beans form a compound of substances pecuter of suffering to those who are dependers upon liarly adapted to furnish all that is necessary to the labor of their hands for daily bread for them-support life and give bone, muscle and fat, in proselves and families. Whatever will tend, not to per proportions, to a man. This food will enable cheapen food, for that we cannot hope for, butto one to perform more labor, at less cost, than any show them what to eat, less expensive than their other substance. A quart of beans, 8 cents, half accustomed diet, should be at once adopted. For a pound of pork, 6 cents, will feed a large family for a day, with good strengthening food. And Fresh meat of all kinds, at the prices at which who that can raise a reminiscence of old times butchers retail it, is not economical food. Meats in New England, but will remember that glorious will average over a shilling a pound. Salted old-fashioned dish called "bean porridge?" We meats are cheaper than fresh. In economizing should call it bean soup now. Four quarts of food, meat should be fried or boiled. If you beans and two pounds of corned beef would give

ing soup, soak your meat some hours in cold water, and boil it in the same. Thicken with beans, poor this winter. They cannot afford to eat them, ter, and boil it in the same. Thicken with beans, poor this winter. They cannot afford to eat them, ter, and boil it in the same. Thicken with beans, Potatoes are selling at four dollars a burrel. That peas, rice, barley, hominy, or broken bread. The is \$1.87 a bushel. At retail the poor pay \$2.50 best meat is the most economical for soup. price of corn meal; five-sixths as much as fine If you boil meat to cat, never put it in cold wa- flour; one-fifth more a bushel than beans, while get it at half price. Beef or pork by the quarter Carrots are the cheapest of all roots. But they are but little used as human food, though very nu-Do not buy your bread ready baked. It is six- tritious. They are partially used in soup. They pence a pound. Dry flour is the same. Home- are good simple boiled and eaten with a little butmade bread is far more nutritious. Make use of ter, or meat gravy. They should always form an corn meal, out meal, Graham flour, hominy, ingredient of soup. They are sold by the quantity and cracked wheat for bread, in preference to at 50 cents a bushel. Turnips are dear at any fine wheat flour, both for health and economy, price. There is more nutriment in a quart of ear-Here are the relative retail prices per pound of rots than in a bushel of turnips. They are 82 these articles: Wheat flour, 6c; Graham flour, per cent. water. Cabbage is nutritious, but very 6c; cracked wheat, 6c; corn meal, 2½c; homi-expensive. Buy very little of it if your money is ny, 3c; oat meal, 42c. The latter is the most short. Dried sweet corn is an article that all nutritious breadstuff known. Look at the Scotch persons are fond of. It sells for \$4 to \$5 a bushel, with their out meal porridge—as robust a set of which weighs 42 lbs., and would retail at about 10e a pound. We don't know about the economy Hominy we have before given our opinion upon, of eating it, as compared with other breadstuffs, cooked to be eaten with meat, is worth more than three pounds of extra meat. It is also very excellent and nutritious mixed in the bean soup.

Another very excellent, nutritious, economical article of food is dried peas. They are generally a little more costly than beans, but some think they will go further. At any rate they are good for a change. It would be good for a change for those who are put to their wit's end to know how to get food enough to feed their families, if anything that we have said shall put them in a way of changing some of their old habits, so as to buy such articles as will satisfy hunger, while giving them health and strength, for less than half the money they are now expending, though living only half comfortably.—N. Y. Tribune.

POULTRY CHEAPER THAN PORK.

Mr. Editor:—Allow me to say a few words in your paper in behalf of that much neglected class of stock that are usually found upon a far-mer's premises without "a location," if they have a name. They are not thought worth out-house that affords rest to their feet. Even in pound, as the cost of production. these days of hen-fever, and of feathered stock! be made comfortable, with a water-proof roof be able to accomplish this with any breed of pigs. and a warm bed; for pork cannot be made to profit, and the less care bestowed upon them the for, will yield a clear profit of at least \$1, or, in better. We intercede for the "biddies," and other words, will give you eight pounds of poulbing for them a little of the attention that is lavitry for nothing. ished upon their more gross and less attractive ished upon their more gross and less attractive neighbors. Give them a fair trial, and they will of the biddies." Let them have a warm place pay any farmer for his care much better than for a roost, a dry cellar, if possible, in winter, a pigs, and will supply his table with greater lux-variety of grain and a little animal food, clean uries, and at a cheaper rate. And to establish water to drink, and lime in some shape for eggthis position, we will tell you a tale quite as shells. Take care of the fowls, and they will literally as some others founded on fact.

In the year 1850, my poultry yard cost me—

In stock. In food for fowls.	
Total. It produced in eggs	3492 500
Total	
Profit.	\$10 15

It produced about this time 91 chickens and fowls, weighing about 300 lbs. In other words, the yard paid three cents a pound for all the poultry used in the family. When did a porker ever pay you for the privilege of eating him! Even Charles Lamb's roast pig will have to knock under to the biddies.

In 1851 my yard cost me—

In stock	50 56
Total. \$120 It produced 268 dozen eggs. 48 6 5 loads manure 5 Stock on band at the close. 113	76 00
Total\$166 Deduct	76 06
Profit\$46	79

Besides this profit, it produced 61 fowls, weighing about 200 lbs. In other words, it gave 23 cents per pound for the privilege of being eaten. Was roast pig ever so gracious as this? We have tried pork-growing for the same two years, and dealt as liberally by the sty as by the poultry yard, but with a very different result. The account stands thus:—

Bought a pig May 13, 1850	\$4 8015 02
Total Deduct 8 loads of manure	
	\$11 82

He produced 206 lbs. of pork. Divide the cost enough to have quarters of their own, and so the produced 206 lbs. of pork. Divide the cost shift for themselves upon the first fence, tree, or by this, and it gives a little over five cents per per country at the cost of producing.

He must be a very skilful farmer who can proimported from the farthest India and beyond, duce pork for four or five cents a pound. Most there are thousands of farmers who have no shelf of the pork made in New England costs six or ter for their fowls better than an apple-tree or seven cents, the full market price; so that there open shed. "The merciful man is merciful to is no advantage in producing it, except as it makes his beast;" and it would be a good lesson for the a valuable manure upon the farm. The farmer improvident owner of these abused bipeds, if he who can make pork for nothing, or what is could exchange places with them for one Decembetter, can make it pay him thrice the market ber night, when the thermometer stands below value for being caten, is a man yet to be heard zero. The sty must have a place and the grunters from. The best husbandry will probably never

But the fowls will pay their own way, with good advantage without proper attention. Pork- proper care, and will give you a certain amount growing is a main reliance to pay the rent of of poultry, without other cost than your own their hired hands. Poultry is more plague than trouble in rearing them. Each hen, well cared

take care of you. - Cor. Plough, Loom and Anvil.

Drew's Rural Intelligencer.—A new paper published at Augusta, Maine, by Wm. A. Drew, and filled with everything good in the way of agriculture, horticulture and the news of the day. Brother Drew holds a strong pen, is acquainted in the field in which he is to trot, and will not come out second best.

The Practical Farmer. Vincennes, Indiana, S. Burnett, Editor. Harvey, Mason, & Co., Publishers.—It gives evidence of plenty of mind, but wants more ink. Our copy was all "friars." We cordially grasp your extended hand, brother Practical.

"HOME SICK FOR THE COUNTRY."

Since the Almighty placed our first parents in the garden of Eden, a passion and love for the country has been natural to the heart of man. A correspondent of the Knickerbocker gives vent to this feeling as follows:

"For my part, I am weary of city life, and sigh for the Great Mother. I see the waving of trees, but they are rooted in a church-yard, or grow between flag-stones. I hear the notes of singing birds, but they are pewter canaries at sixpence apiece. I am tired of water running up and down leaden pipes, and through cocks and filters; I want to see it rise like a Naiad, dripping from the well. I am haunted of 'stoops,' and have a sort of green sickness for porches clambered over with greenery. I wish for other flowers than artificial, and desire to look upon rain not as an inconvenience, but as a blessing to the crops. rain not as an inconvenience, but as a blessing to the crops.

> " I'd kind o' like to have a cot Fixed on some sunny slope; a spot Five acres, more or less, With maples, cedars, cherry trees, And poplars whitening in the breeze. "Twould suit my taste, I guess, To have the porch with vines o'erhung, With bells of pendant woodbine swung; In every bell a bee; And round my lattice window spread A clump of roses, white and red. "To solace mine and me, I kind o' think I should desire To hear around the lawns, a choir Of wood-birds singing sweet; And in a dell I'd have a brook, Where I might sit and read my book. "Such should be my retreat, Far from the city's crowds and noise; There would I rear the girls and boys, (I have some two or three,) And if kind Heaven should bless my store, With five or six or seven more, How happy I should be!"

PULVERISED PEAT.

A most important discovery has been made by an eminent agricultural professor of chemistry, that finely pulverised peat will effectually deodor-are a great many things to be said about that ise the most offensive putrid matter, and destroy the most feetid odors; in fact, that it possesses the wonderful disinfecting properties of charcoal, that by mixing it with common night-soil in about equal proportions, one of the most valuable manures is made, and proved by experiments not added, "In a geographical point of view, there inferior in results to the best South American gua-no. It may be made at all seasons and stored My dear madan," he continued, "take tapioca away for use, or the land dressed with it immediately. This valuable manure may be used as a top-dressing, or drilled, or dropped in with the seed, at the rate of from 700 to 800 pounds per acre, and it may be applied with benefit to every kind of erop. It may be sown with the seeds of all green crops, and it will push them into early and rapid growth. It will also be found highly with a questioning look through his spectacles, serviceable in all garden crops, shrubs, and flower beds. If the finely pulverised peat be strewn over from !" the floors of stables, piggeries or cow houses, with a very light covering of straw over it, it will absorb and retain all moisture, disinfect the building ern, and Para in the northern part of the Braof every noxious gas so injurious to cattle, and by zils, do we get our tapioca; from the roots of a its mixture with the exercta from the animals, for immediate use. Sheep folded upon it at night tropha Manihot, or, as they say, the Cassava. would produce wonderful and most important re- The roots are long and round, like a sweet posults to farmers in the vast production of valuable tato; generally a foot or more in length. Evemanure. Finely pulverised peat also supplies ry joint of the plant will produce its roots like the ready means of removing all nuisances, thereby promoting the public health—and many years dug up from the ground, peeled, scraped, or gracannot clapse before this important discovery will ted, then put in long sacks of flexible ratan—

be adapted to convert all the noxious matter of the country into solid portable manure, without any offensive odor, instead of being carried into streams and rivers, vitiating the water we drink by polluting it with animal and vegetable matter again, by evaporation, impregnating the very atmosphere we breathe and producing an actual loss of the most valuable materials to the agriculture of the United Kingdom, which, if taken in the aggregate from all available resources, can searcely be estimated at less than 10,000,000l, sterling, annually. Further details cannot now be entered upon, but it may be remarked:-let every cottage be possessed of this cheap and valuable article, finely pulverised peat, and his garden may vie with the best in produce and verdure; he may thoroughly manure his own ground and have a large surplus to dispose of to his more wealthy neighbor. Let every small householder see to it, and produce a portable, inodorous, and valuable manure, salcable in every locality. From the palace to the hovel the same means are available, but where water closets, cess-pools, sewers, &e., have to be contended with, time will be required to effect the necessary changes; yet, in the nineteenth century, surely, our enlightened age, with these startling facts before us, will never long permit the foundation of such vast wealth to the country to be floating in the ocean. These remarks are only the outline of this important discovery,—Gardeners' Chronicle.

VOYAGE AROUND A PUDDING.

Dr. Bushwhacker folded his napkin, drew it through the silver ring, laid it on the table, folded his arms, and leaned back in his chair, by which we knew there was something at work in his knowledge-box. "My dear madam, he, with an aboriginal shake of the head, "there pudding."

Now, such a remark at a season of the year when eggs are five for a shilling, and not always fresh at that, is enough to discomfort anybody. The doctor perceived it at once, and instantly itself; what is it, and where does it come from!"

Our eldest boy, just emerging from chicken-hood, answered, "85 Chambers Street, two doors below the Irving House."

"True, my dear friend," responded the doctor, with a friendly pat on the head; "true, but that is not what I mean. Where," he repeated, and a Bushwhackian nod, "does tapioca come

"Rio de Janeiro and Para!"

"Yes, sir; from Rio de Janeiro in the south-

pours the cassava-juice in a pan placed below to live hundred miles, for the vanilla. receive it. This juice is poisonous, sir, highly poisonous, and very volatile. Then, my dear madam, it is incarcerated in water, and the resi-eriffe, I should say, by the flavor. duum, after the volatile part, the poison, is evaporated, is the innocuous faring, which looks like small crumbs of bread, and which we call tapioea. The best kind of tapioca comes from Rio, which is, I believe, about five thousand five hundred miles from New York; so we must put the wine, my learned friend, and say nothing of down that as a little more than one-fifth of our the value of the sauce." voyage around the pudding."

This made our eldest open his eyes.

"Eggs and milk," continued Dr. Bushwhacker, gar, is made partly of the moist and sweet yellows sugar of Louisiana, partly of the hard and dry sugar of the West Indies. I will not go into the process of refining sugar now, but I may observe here, that the sugar we get from Louisiana, if refined and made into a lost would be onter in either corn nor rice will grow; where the order "are home productions; but sugar, refined suif refined and made into a loaf, would be quite neither corn nor rice will grow; where the only soft, with large loose crystals; while the Havana quadrupeds they have are the odorous goats that sugar, subjected to the same treatment, would breathe the fragrant air, and the musky crockomake a white cone almost as compact and hard diles that bathe in the high-seasoned waters. The as granite. But we have made a trip to the Antilles for our sugar, and so you may add fifteen hundred miles more for the saccharum."

"That is equal to nearly one-third of the circumference of the pudding we live upon, doc-

"Vanilla," continued the doctor, "with which this pudding is so delightfully flavored, is the bean of a vine that grows wild in the multitudimous forests of Venezuela, New Grenada, Guiana. and, in fact, throughout South America. The leng pod, which looks like the scabbard of a sword, suggested the name to the Spaniards; vayna meaning scabbard, from which comes the diminutive vanilla, or little scabbard-appropriate enough, as every one will allow. These beans, a pound, could be as easily cultivated as hops in that climate; but the indolence of the people is so great, that not one Venezuelian has been found with sufficient enterprise to set out one friend.

"True, doctor, you are right, there."

Padre Corcorochi, and of course gets whistled out through which no rat, with all the cunning of a of his earnings with the first click of the gaffs, politician, can ever make his way. It will be as Then back he goes to his miserable hammock, dry as a floor, and fruit, vegetables, and other

sacks, six feet long or more; and at the bottom and so ends his year's labor. That, sir, is the of the sack they suspend a large stone, by which history of the flavoring, and you will have to althe flexible sides are contracted, and then out low a stretch across the Caribbean, say twenty-

"We are getting pretty well round, doctor." "Then we have sauce here, wine-sauce-Ten-

-from beneath the cliff Of sunny-sided Teneriffe And ripened in the blink Of India's sun.'

We must take four thousand miles at least for

"Except the nutmeg, doctor."

"Thank you, my dear young friend; thank you. The nutmeg! To the Spice Islands in the Indian Ocean we are indebted for our nutmegs. Moluceas, the isles

Of Ternate and Tidore, whence merchants bring Their spicy drugs.

There, sir! Milton, sir. From Ternate and Tidore, and the rest of that mavellous cluster of islands, we get our nutmegs, our mace, and our cloves. Add twelve thousand miles at least to the circumference of the pudding for the nutmeg.''
'This is getting to be a pretty large pudding,

doctor."

"Yes, sir. We have travelled already twentyfive thousand five hundred miles around it, and now let us re-circumnavigate and come back by the way of Mexico, so that we can get a silver which are worth here from six to twenty dollars which are worth here from six to twenty dollars Wine Press.

CEMENTED CELLARS.

Frequent inquiries are made on this subject. acre of vanilla, which would yield him a small Cellars plastered at the sides and on the bottom fortune every year. No, sir. The poor peons, or with hydraulic element will keep out the water peasants, raise their garabanzas for daily use, but without a drain, and will exclude rats, provided beyond that they never look. They plant their the work has been done in the best manner. Imcrops in the footsteps of their ancestors, and, if perfectly executed, the water will leak in: and it had not been for their ancestors, they would if the coat is too thin or too soft, rats will exeaprobably have browsed on the wild grass of the vate beneath it, and then crack it off by pieceflanos or plains. Ah! there are a great many meal. It is unnecessary to inform our readers such bobs hanging at the tail of some ancestral that the very best material is to be used; but kite, even in this great city, my dear, learned some are not enough aware of the importance of giving it sufficient thickness. On dry and hard gravel, it may do well to apply the mortar at "Well, sir, the vanilla is gathered from the onee to the excavated face of earth; but usually wild vines in the woods. Off goes the hidalgo, it is much better to cover the cellar bottom with proud of his noble ancestry, and toils home under a back-load of the refuse beans from the trees, after the red monkey has had his pick of the best.

A few reals pay him for the day's work, and the last of which may be quite small, or even then, hey for the cock-pit! There, Signor Olthin, is then spread smoothly over. In a few for the core of the last of the last of the last of which may be quite small, or even then, hey for the cock-pit! There, Signor Olthin, is then spread smoothly over. In a few fogic meets the Marquis de Shinplaster, or the months the whole will assume a flinty hardness,

fear of dampness. It will not very soon wear importations of gum arabic, but in a few years to out nor decay. — Gennesee Farmer.

MEZQUITE GUM.

Dr. Geo, G. Shumard to Thos, S. Drew, Esq., have seen the specimen at the store of Orlando Indian Agent at Fort Smith, Arkansas, by him Tompkins, corner of Winter street, (who has in transmitted to the Bureau at Washington, D. C., his possession copies of the official correspondence and since published in most of the newspapers in regard to it.) The Mezquite gum so closely rethrough the Union, is receiving much attention sembles gum arabic in taste, appearance, Ac., that from naturalists and chemists. We have obtained from these proofs of identity alone we should at from a gentleman who has investigated the subject, once have pronounced it a valuable product of

bles in appearance the free spoken of by Dr. S., left St. Louis on a journey over the plains mail and remarks that it "yields a gum, Mezquitina, route, for the purpose of sinking a line of artesian which is used instead of gum arabic," and many wells, will bring home ample specimens from the have erroneously supposed the two to be identical, two or three varieties of the tree which are known The botanical name of the commonly known Mez- to exist in that region.—Boston Journal. quite tree, is given by Prof. Simeon T. Baird, of the Smithsonian Institute, as Algarabia Glandulosae. Dr. Shumard states that it luxuriates only in dry and elevated regions, but all other accounts, including that in the report of Captain Marcy, state that its home is in the "river bot- perusing the article with the above title, from the toms," and its presence is generally considered as Plough, Loom, and Anvil. The articles we copy evidence of a rich soil. Capt. M. states that it from this journal are well considered and carefully is seen standing at such intervals as to present much the appearance of an immense peach or chard. They are from five to ten inches in diameter, and their stocks about ten feet in length. It tests and experiments. is found on the river Gila, and plentifully on the Colorado. The banks of the Rio Grande produce if the turnip crop of England were to fail for some, as indeed do most of the rivers of the north-two years in succession, that country would be ern part of Texas. It is said to exist in forests of ruined. This, of course, is a figurative speech. miles in extent, in Northern California. Like but there is much truth in it. A chemical analymany of the plants of that latitude, its fruit is sis of turnips, however, would lead us to draw seen in blossom and in maturity at the same per inferences the reverse of this. A root or fruit or riod. It is first recognized by the Pacific-bound which water forms 90 to 95 parts in every 100, emigrant in a stinted shrub, but as he approaches can scarcely be thought very nutritive; and if the

valuable acquisition brought to light; it seems nips cannot rank very high among such kinds or that mules devour with avidity the fruit, which is food. But we are beginning to inquire, at least. contained in a pod of a twisted appearance, being whether the great quantities of nitrogen in the a berry of the size of a bean, each covered with atmosphere were not made for some other reason a mealy pulp. Lieut. A. W. Whipple, of U. S. than because the Great Architect of all made Corps Topographical Engineers, observing its per-oxygen rather too strong for common purposes. culiar effect upon them, was induced to examine While so much oxygen is consumed by all forms it, and found that each berry possessed an intense of life, what service does the nitrogen perform stringent property. It is now thought, owing to "It feeds plants." True, and may it not also the scarcity and high price of nutgalls, that tannin-feed animals! If not, why not! We do not atmay be got from it with profit. Catechu, an as- tach so much force to the logic used on this subtringent gum long used in medicine and the arts, ject as we have done, and facts and experiments we believe, is extracted from the wood of one of certainly compel us to no such result. Potatoss the Mimosas, and from present evidence we think yield but very little nitrogen, about 1½, parts in will be obtained from the Mezquite. The Indians 100. Whence, then, comes the constant supply and Mexicans are in the habit of boiling its chips of muscle for the poor trislamen in their native

obtained, and from the similar properties, not potato forbids the former, but what furnishes the only of the gum but the wood and bark, we may muscle and imparts strength! Either we cat a practically regard the two as alike. The gum wonderful excess of this muscle-forming food, or may be procured during the month of Angust in there is some a stake in our logic on these matlarge quantities, and brought to market with triviters. But look, again, at the Esquimaux

articles, may be placed directly upon it without ial expenses, bidding fair not only to lessen our enable us to export with advantage. The only specimens of Mezquite gum which are known to the in the country were collected by the govern-MEZQUITE GUM.

The recent important discovery of a substitute 5th Infantry, U.S.A., a member of which was for gum arabic, made known through a letter of Dr. Shumard, who claims the discovery. We some facts which may be of interest to our readers, our teeming country. It is expected that the gov-Kunth notices a Prosopis Dulcis which resem-termient party under Capt. Pope, who have just

THE VALUE OF ROOT CROPS.

The reader will be interested and benefited by

It is reported as a remark of Mr. Webster, that his destination, is seen only in a tree of twenty or doctrine so very current, and which we have thirty feet in height.

urged, that food containing nitrogen can alone be Our informant says that the gum is not the only made useful to produce muscle, is true, then turin water, and with the decoction dyeing articles hovels? A very large proportion of the food of apparel, &c. thousands of them, and almost the whole or The tree certainly belongs to the class Mimosa, many, consists of the potato only. Do they grow as does the acacia tree from which gum arabic is thin and weak? Neither. The carbon of the

Whence come the muscle of that race of oil-feeders? Who labors harder than the ox, who feeds, often exclusively, on grass? The horses of hundreds of farmers, and especially those of twenty or thirty years ago, were kept without any allowance of grains. Whence comes the daily supply of nitrogen in the milk of the cow? She is difference between roots and grains. How imied, in many districts, with the same kind of portant this may be, what differences result from feed.

Do you reply that all these substances contain hitrogen? We admit it. But we also claim that table and the exercise of these parts of the root, being to a greater or less deanimals than is furnished in these kinds of feed. By Leibig's analysis, 100 parts of dry hay give food is in a better condition to be acted upon by 1.5 nitrogen, while by Bousingault, dried cowthe finide of the stomach, and with more facility lang gives 2.3 nitrogen. But this is aside from converted into chyle? And does not this tend to our main object. We recur to the subject of show the propriety of soaking grains, so far as it may be done conveniently, before feeding them? roots.

Turnips are found to be of great benefit to catin me diluted our food, provided we do not over- among the excrements of the stable, unchanged, tusk the energies of the intestinal canal, in the than when the corn is fed in a dry state. conveyance of it to its destination, the better for the health of the animal. May not this be the and of roots, we offer the following as a fair aprale? In such cases, the absorbents have more proximation. Precision is, of course, impossible, time and a better opportunity to possess themselves of what they need, without suffering anything to escape them. We do not assert this. We only suggest where no one appears ready to establish anything. The fact is universally admitted, that concentrated nutriment does not, of the control o itself, form healthy food as an exclusive diet.

Again, the ingredients of turnips, etc., may be v ry favorably proportioned and combined to produce a physical effect peculiarly favorable upon the membranes with which they come in contact, and thus tend to secure a healthy condition in of the Massachusetts Societies, (though at a lower them. Is there any more satisfactory explanation rate than the premium crops.) and from other of the how so vapid an article as a turnip is proved sources in our possession, we come to the followto be, should be so efficient?

But all roots usually cultivated, and all fruits acre: resembling them, are peculiarly desirable as a feed proved of great value for such purposes. Indeed, \$175. Cost of cultivation, say \$75. we can hardly doubt that the green stalks of corn, say \$75 to \$100 per acre. when fed to animals, pay better than the grain. and among them all there is a marked agreement. Cost of crop, say \$35. Profits, \$22.60. The exceptions are few, if any. And it is obvious Ruta-Bagas.—Produce, 800 bushels of 50 lbs. that in the green stalk the elements are in a condition more resembling roots, than is the grain, which is a more concentrated form of feed.

The following, according to Boussingault, are the constituent elements of sundry crops:

Carbon, Oxygen, Hydrogen, Nitrogen, Inorganic

	Car our.	Oalgon	aryunosem.	ATTIOGEH.	Thorgam
					matter.
Dry Turnip		423	55	17	76
Dry Best		434	53	17	63
Clover		378	80	21	77
Oats, (the gra		372	63	22	40
Wheat		434	53	23	24
Rye		442	51	17	24
Potato, dry	410	447	58	15	40

In these results there is a very great uniformity. But there is another matter to be taken into account. In the composition of 1000 parts

Wheat, (the grain117	are water
Barley	66
Out:	66
Ryc100	61

Maize	"
Rice140	64
Turnips500	
Red Mangel-Wurzel,901	6.6
White Sugar-Beet869	66
Parsnip	46

In the proportion of water there is a marked the combination of water in the root and water taken from the brook, we are unable to state. But it is not natural to suppose that the solid gree in a state of solution or semi-solution, the food is in a better condition to be acted upon by may be done conveniently, before feeding them?

Of the fact that soaking grains, and especially the, and why? We are inclined to explain it on corn, for horses before feeding them, improves the principle that concentrated nutriment is not wholesome as that which is more diluted. The Whoever adopts this course will find fewer grains

As to the comparative value of crops of grains

Wheat	nts.
Corn54 2-10	66
Rye48	"
Carrots	"
Turnips 4 2-3	

Making an estimate from various other reports ing results, the quantity of land taken being one

Carrots.—Produce, 600 to 700 bushels of 50 for cattle. Beets, carrots, pumpkins, etc., have lbs. each, worth ½ a cent a pound, or \$150 to Profits,

Sugar Beets.—Produce, 320 bushels of 50 lbs. Scores have given the result of their experiments, each, at 18 cents a bushel, its value is \$57.60.

> each, at 25 cents a bushel, is \$200. Cost, \$100. Profit, say \$100.

Turnips, (common.)—Produce, 600 bushels, at 12½ cents a bushel, is \$75. Cost of crop, \$40. Profits, \$35.

Wheat.—Assuming 30 bushels as a fair crop, at \$1.25 a bushel, the produce will be \$37.50. Cost, \$20; profit, \$17.50. Or, by Hampden county estimate, the profit will be, say \$17.65.

Corn.—Produce, 75 bushels, at \$1, is \$75. Cost of crop, \$30. Profit, \$45.

Reducing these results to a tabular form, we find the profits of an acre of

Carrots, say	
Sugar-Beets	22 60
Ruta-Bagas	100 00
Turnips	30 00
Wheat	17 50
Corn	45 00

We do not pretend to accuracy. The cost of crops varies fifty per cent, in different sections of land and the interest on land, is as unsettled ing him endforemost down into the gullet, where as anything can be; and the value of crops of all he sinks, inch by inch, till the swelling which kinds depends upon the state of the markets, and marks his place is lost among the coils, and he is the facility for transporting the crop to the mar- probably macerated to a pulp long before he has ket. Still we have made out a rough model, reached the opposite extremity of his cave of which every one disposed to do so can correct, as doom. Once safe down, the black murderer the almanaes say, for his own latitude. We slowly contracts again into a knotted heap, and doubt not that he will find one thing true, to wit : lies like a boa with a stag inside him, motionless that root crops are among the most valuable of and blest. all the products of the farm.

It does not follow, we would add, ere we close, that roots are not excellent feed, even though they are of less profit as a crop for market. It is worth while to produce many things for our own of weeds in gravel walks, are copied from the use, which would not pay if carried off from the correspondence of the London Gardener's Chronfarm.

WONDERS OF THE SHORE.

in the last number of the North British Review, of gravel. This also helps to bind the gravel. We extract a paragraph in which is given a The following is the way in which I managed graphic description of a singular worm:

mere velvet string across the hand. Ask the twice in one place. neighboring Annelids and the fry of the rock fishes, or put it into a vase at home, and see. It lis motionless, trailing itself among the gravel; you cannot tell where it begins or ends; it may end of him; and then the black lips expand, and found it to burn as bright as on the surface, the

of country. Labor has no fixed price. The value slowly and surely the curved finger begins pack-

WEEDS IN WALKS.

The following modes for preventing the growth icle, and may prove valuable to some of our readers—at the proper season:

In order to prevent weeds from growing on [Under this title, there is an admirable paper walks, put a layer of gas-lime under the last inch

walks when I was a gentleman's gardener. In At all events, whether we are intruding or not, walks to keep in order. In winter, when there in turning this stone, we must pay a fine for hav- was sufficient frost to freeze the gravel in the ing done so; for there lies an animal as foul and mornings, I employed the laborers in cleaning the monstrous to the eye as "hydra, gorgon, or chi- walks with a half worn out birch broom, sweepmera dire," and yet so wondrously fitted to its ing backwards and forwards, and then removing work, that we must needs endure, for our own with a new broom what the old ones took off the instruction, to handle and to look at it. Its surface. When the walks were covered with name we know not, (though it lurks here under moss it was scraped off with a hoe before the every stone,) and should be glad to know. It broom was used. After having pursued this pracseems some very "low" Ascarid or Planarian tice for 6 years, my walks looked as fresh and worm. You see it? That black, shiny, knotted clean as if they had been newly graveled. Last lump among the gravel, small enough to be taken season very few weeds made their appearance durup in a desert-spoon. Look now, as it is raised, ing the summer: by performing the operation and its coils drawn out. Three feet—six—nine, when frost is on the ground, you not only remove at least; with a capability of seemingly endless all small weeds, but you sweep off most of the expansion; a slimy tape of living caoutchouc, seeds deposited there to vegetate the following some eighth of an inch in diameter, a dark, summer. If docks, thistles, or dandelions apchocolate black, with paler longitudinal lines. Is pear, cut out their crowns and put a little salt it alive? It liangs helpless and motionless, a on them; you will not have to repeat the salting

IMPURE AIR IN WELLS.

Eds. Reral,—Having often read accounts of be a dead strip of sen-weed, Himanthalia lovid deaths of persons entering wells containing impure perhaps, or Chorda filtum; or even a tarred string, air, and having occasion to dig one the past sum-So thinks the little fish, who plays over and over mer, I took the precaution before any one entered. it, till be touches at last what is too surely a the well, to try a lighted candle. I found on the head. In an instant a bell-shaped sucker mouth last morning of digging, the depth being about has fastened to his side. In another instant, thirty feet, that the candle would not burn lower from one lip, a concave double probose is, just like than ten feet. For the purpose of expelling the a tapir's (another instance of the repetition of gas, which had accumulated during the night, I forms,) has clasped him like a finger; and now first went to drawing the tub, which I used for begins' the struggle—but in vain. He is being drawing up dirt, up and down the well as fast as "played" with such a fishing-line as the skill of possible, but found no benefit from so doing. It a Wilson or a Stoddart never could invent; a live then went to throwing water down, but with ing line, with elasticity beyond that of the most like result. I had about given up the idea of delicate fly rod, which follows every lunge, doing anything more at my well at present, shortening and lengthening, slipping and twining when the thought struck me that I would try the round every piece of graveland stem of sea-weed, experiment of letting down fire, never having with a tiring drag, such as no Highland wrist or heard of such a remedy. I accordingly procured step could ever bring to bear on salmon or on a kettle and filled it with light materials, such rout. The victim is tired now; and slowly, as chips and shavings, hooked it on to the rope, and yet dexterously, his blind assailant is feeling and let it slowly down. After remaining a and shifting along his side, till he reaches one few minutes I drew it up, tried my candle, and

foul air being completely eradicated, so that the provide for our households, is a duty we owe to well could be worked in perfect safety. Whether ourselves and to our Creator, which may not be this remedy has ever been tried by any one else I neglected with impunity. Let us then begin the do not know. If such remedy would have the year with the determination, that, although "he desired effect in all cases when tried, it certainly who delves and digs the earth from morning until would be valuable information to those digging night, has little time and less inclination for or cleaning wells.—Rural New-Yorker.

For the New England Farmer.

MONTHLY FARMER FOR JANUARY.

larly the following sentence from Mr. Fay's Estevery careful reader. We offer a few of our own sex County address: — He who delves and digst thoughts on some of its articles.

the earth from morning until night, has little time and less inclination for thought. This is very different from the usual style of such addresses. The great extent among farmers in the country, and adventures which the forms where for the large transfer and adventures which the forms adventures which the forms are for the large transfer and adventures which the forms are for the large transfer and adventures which the forms are for the large transfer and the same forms and the large transfer and the same forms are same forms and the same forms and the same forms are same forms are same forms are same forms and the same forms are same forms are same forms are same forms. tirely and rely on our priest, our doctor, and our "Ruminating Animals."—Some popular notions lawyer to do it all for us? By no means. The about chewing the cud denied. "Witch Grass."—One article informs how to spring often finds us with enough and to spare. fallowing. We saw that we had but little, and looking the Articles on "Sheep and Wool," on "Canker act boldly in the face, by our care and economy, Worms," on "A Two-Acre Farm," "Gale's that little became an abundance! To know our Straw Cutter," "A Journey" to New Jersey, disease, then, is half its cure. And if hard labor Pennsylvania, &c., "London Vegetable Markets," does tend to make us mere "toil-worm machines" "Agriculture in North Carolina," "Changes of at last," the sooner we realize the danger, the Food," "Prepare for Winter," are but specimens norre immediately shall we scale to inverse the of these on which we have no comments to offer more immediately shall we seek to improve the of those on which we have no comments to offer. fittle time and inclination for thought that we do "French Garden Implements," &c.—In France, enjoy. But how improve? There might be it seems that farm labor is poorly paid, yet such and forgotten; but a periodical that comes to us time to get rich, and large wages do little good. monthly or weekly, makes a fresh claim upon our "Talk about Guano."—And a very interesting cading and thinking, as well as the obligation to greater, cost our country ten millions of dollars,

thought," yet that little shall be faithfully and earefully improved. Reading matter is now cheap, and that which is appropriate to our business is rapidly improving in character and value. The monthly Furmer, with its forty-eight broad In reading the extracts of agricultural address-pages, enters upon the new year with a variety of es, on page 51 of this number, I noticed particu- contents that must stir up thought in the mind of

advantages which the farmer enjoys for study and am therefore glad to see them treated so respectreflection, and his opportunities for profiting by fully in the Farmer, both by the editor and by the changes of the seasons and the successive the proprietor of the grape. Whether the rebeauties which the rolling year presents for his marks of Mr. W. are just, or illiberal, in this admiration and improvement, are generally dwelt case, is of little importance in comparison with upon by agricultural orators in poetic cestacies, the influence of the impression, that "the Press that are but poorly realized by him who sits down which tolerates such speculations, does no good in a group result of the control of the impression, that "the Press that are but poorly realized by him who sits down which tolerates such speculations, does no good in a group result of the control of the impression, that "the Press that are but poorly realized by him who sits down which tolerates such speculations, does no good which are our poorly realized by him who sits down which tolerates such speculations, does no good in a warm room to study, after a day spent in the service to the community." For my own part, I woods with the thermometer pointing at zero, or see no objection to a man's selling grape vines for by him who attempts to admire the glories of five dollars a-piece so long as there are plenty of sonrise, after mowing long enough to be thinking buyers at that price. After the fever is over, and of breakfast, or of his feet and legs that are "sop- the five-dollar purchasers are all supplied, the ning wet?" with the chill done of a suppressive trice will probably come down and then if the ping wet" with the chill dews of a summer's price will probably come down; and then, if the morning. But if it is a fact, which I think few good qualities of this grape don't come down too, who have tried it with their own hands will deny, friend Wilcox and I may perhaps have a vine of that farming affords "little time and less inclination our own to sit under. But in the mean time, it tion for thought" and intellectual cultivation may turn out a "multicaulis," or a "roban," or generally, what is the natural inference? Be it may prove a "Baldwin," or a "Bartlett," cause we have but a single opportunity, shall that the five-dollar men will decide this at their exbe buried in the earth? Because we have little pense, but for our benefit. Why should we

need of great efforts. When we are most alarmed destroy this pest by cultivation, but with little by apprehensions of a scarcity of hay in the fall, hocing; and another article recommends summer-

much said on this question, but I will say but are the habits of the people, that a man and his httle here. As a first thought, however, we wife, boarded and lodged by their employer, laid would advise to read some agricultural periodical by \$100 of the \$180, which were paid for the laregularly. I say periodical, because books do not bor of both for a year. If our expenses increase went to meet the case. A book may be laid aside faster than our income does, it will take a long

attention, just so often at least. No farmer has chat it is. The remark which was ascribed to the a right to do less than this for his mind, if he editor, but which it appears he never made, that would not become a drudge, a toil-worn machine, guano in Massachusetts had done more hurt than and finally in old age, a dotard, whose intellectual good, is one which I really believe would express imbecility and weakness shall be more pitiable the result, so far as I have personally observed its than the ravings of insanity, or the struggles of effects, in my own neighborhood. If merely a leath itself. If he who puts an end to his phys-few preliminary experiments, which leave the cal existence is guilty of murder, can the mental editor of the Farmer with "no means of judguicide be regarded as innocent? A habit of ing "whether the losses or the benefits are the where will farmers get the money to pay for the portunity afforded the cultivator to train accord-

over one hundred apple trees. I did not suppose recommendations on "Beautifying the Farm." my trees or my soil were good-for-nothing, and I have tried to give the trees a chance to grow, but three or four articles. I have seen only a few apples as yet,—probably | Illustrations.—Gale's Straw Cutter, the Hurl-not over forty or fifty in all. Part of my trees but Apple, Bracketed Cottage, and improved were large; a part small. The smallest have Short Horn Bull. done the best; indeed the largest tree in the or-

farm worth four or five thousand dollars, and to Inorganic Matter," Grain Crops, "Brief Praesecure to your family the income of five thousand tical Hints," Winter Care of Cattle, "&c. &c. dollars beside, with a capital of only \$2,200, (two thousand two hundred dollars!) If the writer of this article had been President of the United States Bank, I think he would not have cared a snap for the removal of the deposits.

by the editor, to plant trees so as to produce some-effected by bringing sulphuric acid in contact thing of the tasteful and beautiful around our with carbonate of soda, in a strong iron vessel, homes; in connection with which we might al-capable of resisting an expansive pressure of thirlude to the "enthusiasm" which the little groves ty-four atmospheres, or 510 pounds to an inch! and shade trees about Philadelphia inspired our Prof. S. stated that this experiment has been usually calm and practical friend, Dr. Brown, of given up entirely in France, in consequence of Wilmington. He thinks many farms in Massa-the bursting of several iron vessels, by which chusetts would realize in a few years from the in-several persons had been killed. But he stated creased value of their farms, at least ten dollars that the iron vessel used on this occasion, had a day by planting trees now.

of this article is to show that there has been for quid (it being in a liquid state in the versel) was many years a pretty regular succession of periods drawn off, a larger portion instantly evaporated,

well enough, if we can afford it. But there is an Register. old adage that says, "the gods help those who help themselves."

Mass., and of a Concord barn, 125 feet by $5\overline{4}$.

"A Good More," is what the Country Gentle- which he presides: man calls a proposition recently made in Con-

amount that will be required when the vote of ing to his particular "taste." Now that is very Rockingbam County shall decide that guano may kind in Nature, certainly; but it would save me "be used to advantage by our farmers in New much doubt and hesitation if she had labelled agland."
these "superabundant limbs" respectively, as the "How long it takes to get Apples."—Just two case might be, "jackknife," "handsaw," "axe," years, according to this article; which, to me, &c. If Mr. Brown is disposed to be offended by has something of the ring of "Book-farming." these remarks he must give the editor half the these remarks he must give the editor half the Five years ago, next spring, I set out something blame, for attaching that article on page 38 to his "Fall Plowing." -On this subject we have

Among the many articles which I have passed chard now, was one of the smallest when planted. over, I must at least name "Turnips and Salt

A Reader. Winchester, Jan., 1855.

A Feat in Chemistry.—During the recent lecture delivered by Professor B. Silliman, Jr., in "On Brautifying the Farm."—An exhortation New York, he solidified carbonic gas. This was never been known to burst, and the experiment "Cycle of Good and Bad Crops."—The design was considered not at all dangerous. As the liof four or five years of alternate good and bad and by the evaporation reduced the remainder to crops, and that we have at this time just entered the freezing point. In this way, several pounds upon a series of poor crops. Rather discouraging, of solid carbonic acid were obtained. It had the "Home-made Furniture."—Such articles are too appearance of the whitest snow, and was so cold scarce in agricultural papers. The very word, that by holding it only three seconds the hand "home-made," has become antiquated. Not only would be frozen. He placed a portion of it is our clothing ready-made, but every implement, around a long vessel containing mercury, and from the mowing machine to the hand-sled, must froze the mercury solid! The mercury was then pass through the hands of mechanics. This is taken out and hammered like lead .- Albany

The Way to Build up a State.—Governor Barns.—We have descriptions of a twenty-Grimes, of lowa, in his inaugural address, thus thousand-dollar barn, in Great Barrington, describes the wants of the thriving State over

"She wants educated farmers and mechanics, gress for the establishment of a National Agricul- engineers, architects, metallurgists and geologists. tural School. But if Uncle Sam should make as She needs men engaged in the practical duties of bad work in teaching the science of agriculture, life, who have conquered their professions, and as he did in estimating the value of "home manu- who are able to impart their knowledge to others. factures" up in New Hampshire, as appears by She wants farmers who shall be familiar with the Mr. French's article on "Other People's Basi-principles of chemistry as applied to agriculture; ness," he had much better leave that business architects and mechanics who will adorn her with with the schoolmasters that are already abroad. edilices worthy of so fair a land; and engineers "Pruning Apple Trees."—As I am unsettled and geologists who will develop her resources, in opinion on this subject, I read everything re- and thus augment the wealth and happiness of lating to it, with interest. Forest trees get along her citizens. This want can only be supplied by comfortably without trimming, and so do shade the establishment of a school of applied sciences. trees generally. But, says Mr. Brown, "apple I have no hesitation, therefore, in recommending trees grow with a superabundance of limbs that that a University fund be appropriated to estabprovision may be made for casualties, and an op-lish a practical scientific or jobytechnic school."

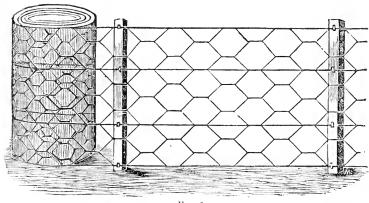
WIRE FENCES, MADE BY MACHINERY.

pied by prairies have little wood from which to Company. make rail fences; and our soil, climate and phys-States; and that, he observes, was "protected on varying according to the height of the fence, the

Indeed, the agricultural mind of the country mary farmer, and no rails are necessary, but the has long been conscious that a total revolution netting is fastened by wire or staples, to posts of

It might not occur to a casual observer, that must, sooner or later, supervene in our modes of the fences of the United States cost more than fencing. Iron fencing has been suggested, and, twenty times the amount of all our specie; never-doubtless, would have come into general use, but theless, such is the fact. There is no country on for the want of a method of making it by mathe dial of the globe, so well furnished with wood chinery. This great want has at length been and stone—the common materials for fencing—as supplied. Јонх Хемити, Еsq., a prominent man many portions of this; yet so great is the cost of in the manufacturing interest in Lowell, has infencing here, that it has become a burden, "gre-vented and patented a machine for the manufacvious to be borne," on our national industry. ture of wire netting, for fencing, trellis-work and Many of our States have little or no rock, from other uses, considerable quantities of which have which to make stone walls; those formerly occu-been made and sold by the Lowell Wire Fence

This fence consists of a strong and beautiful ical geography are such, that hedges or live fences netting, woven by the machine, varnished with are altogether impracticable. Solon Robinson, asphaltum blacking, coated with cold tar, paint-Esq., the able agricultural editor of the New ed, or galvanized, rolled up in portable rolls, from York Tribune, says, that in all his travels, he has thirty to sixty rods in length, and sold to consumnever seen but one good live fence in the United ers at from sixty cents to \$1.50 per rod—the price one side by a board fence, and on the other by a size of the mesh, (or squares,) and the number of the wire. It can be readily set up by any ordi-

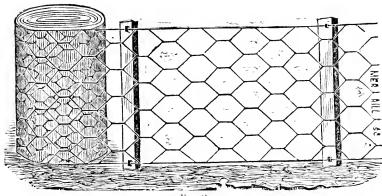


F16. 1.

wood, iron or stone, placed from eight to fifteen sun; it harbors no weeds, or vermin; it covers feet apart, and the edge of the netting is to be none of the soil, like hedges and walls, and the kept on a level from one terminus to another, peculiar mode of its texture enables it to undergo When properly set, it is strong enough to "hold" without the slightest injury, that alternate exan ox, and too close to be penetrated by a chicken, pansion and contraction to which all metallic If varnish d, painted or tarred once in five or six substances are subjected by the changes of temperyears, it is calculated to last a century or more, ature incident to the atmosphere. It offers so little resistence to wind and tide, that examined or tried it, attest that it possesses in the no gale can blow it down, or flood wash it away. highest degree, those seven cardinal qualities in a If fastened to posts, set upon feet instead of being perfect fence or trellis-work—strength, closeness, set in the ground, this fence may be laid flat on beauty, lightness, portability, cheapness and duthe land, or entirely removed on the approach of rability. the flood-season in districts subject to floods, and Many kinds of this netting are made, adapted set up again as good as ever, when the flood has to all uses, from eattle-fencing to window-netting

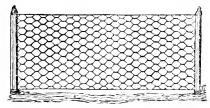
All who have

subsided. It excludes none of the rays of the All sizes of wire are used, from No. 10 to in



and any kind can be made, suited to fencing for a few sheep separate from the flock. If properly parks, roads, railroads, trellis-work, etc. We are happy to insert some cuts presenting a more vivid impression of the practicability of this fenemg, than any words could convey.

Fig. I. The fencing represented is four feet high; the mesh or squares six inches; the straight or



F1G. 3.

lateral wires of No. 10 wire; the body of the fence of No. 12 wire; and sold at from 75 cents to \$1,50 per rod.

Fig. 2. This fencing is of the same height as the former, with wire and mesh of the same size, but without the lateral wires running through the body of the fence. Price 60 to 95 cents per rod. Both these make first-rate farm fences.

Fig. 3 represents another kind of this fencing, from sixteen inches to four feet high, with mesh of three inches. The body of this fencing is of No. 15 wire; the price from 75 cents to \$1,50 per rod. This fence, in its several varieties, makes an admirable sheep, poultry and garden fence; that four feet high serves for hencries. those who have tried this mode of fence, is Richard S. Fay, Esq., the popular agricultural lecturer. who writes of it as follows:-

" Boston, Jan. 5, 1855.

CHARLES COWLEY, Esq., Agent of the Lowell Wire Fence Co. "Sir:—Your favor of Jan. 2d is duly received. I have used the Lowell Wire Fence during the past summer, for folding sheep at night on land that I wished to manure, shifting once or more every week, and have found it answer the purpose perfectly. I have also enclosed an aere or with some of this netting as a trellis-work. two of ground with it for the purpose of keeping Nothing more elegant could possibly be devised

cattle, sheep, swine, poultry, gardens, cemeteries, set, it would hold any thing, and for smaller animals, particularly sheep, it is impossible that they should break it down or escape from it. I have had some iron rods made with a double foot, which I drive into the ground and attach the fence to it either by copper wire or stout twine. A man and a boy will inclose a quarter of an aere in less than an hour, having these posts, which should be set not more than a rod apart.

When I change the fence to a new spot, I unfasten it from the posts—throw it down—begin at one end, and roll it up as you would a carpet. And so in re-setting, reverse the process, rolling it out where it is to be set; drive down the posts, and then raise it and attach it to them. My fence cost \$1,50 per rod, and it is a cheap mode of handling or inclosing at that price. I understand now that it is made much cheaper.

I am very truly yours, RICHARD S. FAY."

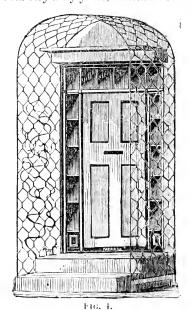


Fig. 4 represents the door of a house, arched

and tasteful in the highest degree. There is a tried many experiments, and the best remedy I still smaller kind of this netting, of one-inch have found, is to lay bare the roots of the tree push, used for window-netting steeper. mosh, used for window-netting, etc. etc.

that will relate the sap and bloom that the set-fences, we tre forced to the belief that this will the dwarfier of spring; a pint of salt and a pint ultimately become the general mode of fencing, of line should then be applied to the roots, and the dirt returned. It is an effectual remedy, owe this valuable invention, will realize hand-sounds from its energy. somely from its success.

PEACH-GROWING.

Having noticed some inquiries in the Newspaper concerning the growing of peach trees, and the manner of protecting them from the worm or grub, and having had some experience in the rearing of trees, and much success in their cultivation, I take the liberty of writing a few hints, which I hope your correspondent will test.

To insure the regular germinating of the seed, they must be placed in a tub or hole in the surface of the earth, exposed to the action of the frost, or freezing and thawing, which breaks the shell and gives them an equal start in the spring Without this precaution, many of the seeds would not germinate at all, and others get the start and overrun and shade the rest, rendering the nursery

uneven and irregular.

If your correspondent wishes to grow trees for market, he must select a rich, gravelly loam, plowing deep and in good order; the drills three feet apart, and the seed to be placed ten inches in the drill, to be done as early in the spring as the ground will permit. When the sprouts appear they must be carefully hoed, and, when six inches high, a common corn cultivator, with a steady horse, can be passed through, and thus the weeds and grass can be exterminated without much manual labor.

When the trees attain the proper size, they can be either grafted or budded with any variety. But the best plan is to grow from choice seed, not grown from a grafted or budded tree, as they will not produce the same variety of fruit.

The best situation for an orchard is on hilly or rolling land-north or south not material; but to insure large and well-flavored fruit, the land must be rich and kept in a high state of cultivation. Corn and wheat must be excluded, but the first and second years a hoed crop of potatoes or tobacco, him milk enough to yield 13 pounds of butter a followed by clover, which should be plowed in day, from 1st of June to 1st of October, besides while green.

When the trees begin to bear plentifully, nothing should be allowed to grow in the orchard more than \$50. but the trees, carefully worked with the plow and cultivator. When trees are heavy bearers, and the fruit attains the size of a shell-bark, they ought to be thinned by hand, and all the smaller How long will it be before Yankees will be persuant to be the size of the smaller of the smaller How long will it be before Yankees will be persuant to be the size of the smaller of the s portion removed to make room for the more suaded that Yankee stock is as good as any other, thrifty growth.

than this, which is at once cheap, light, durable and, if not removed, will soon kill it. I have ment, (an old table-fork with but one prong is a On the whole, we admire this novel fence; and good one,) to ferret out the enemy and kill him, when we consider the unreasonable cost of our Wherever the glue exudes you will find a nest of present modes of fencing—the growing scarcity worms; kill them and scrape the roots with a of wood—the want of stone in many States, and roots can be laid bare until after blooming, as the acknowledged impracticability of quick-set that will retard the sap and bloom until the set-

THE GARDEN.

BY E. PORTER DYER.

A garden, a garden, O give me a garden, With soil of a mellow dark mould, Where my face may get tanned, and my fingers may harden; I would not exchange it for gold.

This spading, and hoeing, and raking, and wheeling, Preparing to scatter the seed in, To my mind the goodness of Him is revealing Who planted a garden in Eden.

The seent of fresh mould—'tis refreshing to smell of-The toil it requires is reviving; The sweat of the brow, though 'tis nothing to tell of, It sweetens the gardener's living.

Our first father found it an exquisite pleasure To practise the science of pruning, Or walk with his Eve in the shade at his leisnre, For instance while "taking his nooning."

And whether he planted corn, beans, or tomatoes, I find not a word or tradition, But always supposed when he dug his potatoes, He found them in healthy condition.

His strawberry plants must have looked quite delicious, At least, while in process of bearing-As berries and cream were regarded nutritious, Of cream, his dear Eve was not sparing.

She always took pleasure in setting her table To study the taste of her Adam; And he from his garden, whene'er he was able, Found comfort in picking for madam.

And often I've thought had not garden employment Been furnished in Eden for Adam; His wife had been homesick, and all his enjoyment Been making herb-tea for his madam.

A Good Cow.—One of my neighbors has an American Cow, five years old, which has given the milk and cream needed on the table for four persons-which cow he never thought of valuing

when properly cared for. I know but little on I have now come to the most difficult part these subjects—but this I do know, that it is easy of peach-growing, which is the grub or worm, to find Yankee cows good enough for any body. It attacks the root of the tree near the surface, Granite Farmer.

HARD TIMES.

in the markets, the lawyer and doctor, and all the right place, will be puzzled with no nice day, imagine they know something of hard good," while he who loves his money better than such hard times as now exist in our cities. The ter, "how hard it is to see through a dollar, sign their estates for the benefit of their creditors, er." and take the benefit of the Insolvent act, but still they live in fine houses, their tables are us to know that our fellow-men are hungry and abundantly provided, and their children well naked, to make our duty plain to feed and clothe clothed and educated. They may suffer from disappointed ambition, but not from hunger, or afterwards preach to them of the doctrines of cold, or nakedness. There is a class, however, whose idea of hard times is not limited by inability to pay their debts, or to educate their children, or to wear fashionable clothing. There misery, naked and hungry, is seared from her are hundreds, nay thousands, who have been, un- midnight haunts, and walks at noonday in the til recently, in comfortable condition, receiving liberal compensation for their labor, who rise in shall find food for the day, for their little ones, who have been bred and educated with the idea, that to receive charity is a disgrace to an American, who yet see no way but through the almshouse to avoid actual starvation. Such is the of banks and railroads, have no terrors for him. condition of many thousands in New York, of Nature is his banker, and her discounts are not some, even, in our favored city of Boston.

competency, should bear constantly in mind.

formed, is a problem which has never, by states-abundance, while everywhere else are heard cries men and philosophers, been satisfactorily solved, of deep distress? This is no accidental circum-Public charities, permanently established, by stance. It is a legitimate result of agricultural means of which food and clothing are systematic-life. Again and again, we have urged this view ally distributed, may undoubtedly tend to render upon our readers, when our young men were charity seems wholly inadequate to meet the de- avenues of trade and manufactures. mands of humanity.

at once in a single city, a great proportion house-virtue. Stick to the land, and invest your monlittle difference of opinion. But our duty, as Comfort and education and peace may be univer-

men and as Christians, is limited to no country, When the wealthy merchant is compelled to and to no sect. Doubtless, charity should begin borrow money at two per cent. a month to meet at home, with our family, and friends, and kinhis liabilities, he complains of hard times. When dred, and townsmen, and countrymen, but it the manufacturer finds his expenses to exceed his should end only wit our means and opportunity profits, and receives no dividends, he complains for doing good to our fellow-men. "The poor ye of hard times. When stocks and lands are low have always with you," and he whose heart is in those who have laid away a surplus for a rainy questions of politics or ethics, how "to do them times. But none of these people, though they his brother may find objections to every mode of complain most bitterly, are the real sufferers, in relief suggested. "I know," says a modern wrimerchant may fail in his business, and the manu-though misery stand behind it, if the dollar be facturer may stop his machinery—they may as-|your own, and the misery belong to your broth-

> In this blessed land of plenty, it is enough for them. Let us make them comfortable first, and religion, and the true relations of social life.

To the farmer, the present distress brings a lesson that cannot be too deeply read. While market-place of our cities, maddened almost to rebellion against the law—while the mechanics the morning, not knowing when or how they in some of our cities are holding meetings in publie places, avowing principles, which, if earried -willing to labor, but unemployed-thousands out, would lead to all the horrors of a Parisian mob-there is no lack of abundance with the

Overtrading, excess of importation, the failure suspended, when his distress is the sorest. His "The poor ye have always with you," is a small deposite of seed in her vaults, is returned text, which they who have more than a bare with usury in abundant harvests. Is it not a fact, that the rural districts of New England How our duty to the poor can best be per- are, at this time, in a condition of comfort and the poor improvident, and to overcome the true rushing from the homes of their fathers, into the pride of independence, while private individual cities and towns, to swell the already crowded

Let us again repeat what has often been said Again, while we have enough and to spare for already in our columns, that the life of the farall who are born on our own soil, we see some-mer who owns the land he tills, is the life most times, in a single day, tens of thousands landed favorable to true independence and the highest less and friendless, to perish by starvation, or to ey, if you have any, in your farming business. excite your charity. Of the right of foreign gov-remembering that the common prayer, whet me ernments thus to flood our country, with the be quickly rich," is seldom answered, and if ever, poor, and often the criminal, there is probably oftenest to the hurt of him who utters it .-

sal, but wealth can, from the nature of things, be but occasional. With all that reasonable beings can ask, let our farmers be contented with Friend Brown:—I herewith send you the foltheir condition, and not envy the rich man his lowing statement of my last year's experience in gold, for in the language of Izaak Walton, which the hen line. If you think any of our farmer we quote from memory, "The cares that be the friends could profit by my experiments, you can keys that keep those riches, hang heavy at the class of persons who say "hens are more plague rich man's girdle, and clog him with weary days than profit.' and restless nights."

At the same time, let us be ever mindful to help one another.

For the New England Farmer.

DAIRY PRODUCTS.

Mr. Editor:—I have examined, with much interest, the returns on this subject from the Counties of Worcester and Middlesex. After what has been said of extraordinary "butter products, did expect to find some such drawn out by the generous premiums offered by the State Society. The products from the towns of Worcester and Barre are quite fair for the season, (considering the all-pervading drought,) but they are not better than can be found on many farms where the country friends, many of whom have ample room pasturage is good. On the farm where the but- and far better accommodations, make three or ter is made for my family, the cows for years four times this amount every year? have yielded an average product of one pound a day, for the entire butter-making season, and in the best part of it, nine or ten pounds per week, for each cow, on grass feed alone. These cows are entirely native. I do not see that Mr. Lincoln's improved stock has done any better than this. I sincerely regret that the "eminent farfull account of the product of his Devons for the season. Such an account would be much more satisfactory, than "October products" alone. It is with cows, as with persons-to rightly understand their character, they must be summered and wintered. You cannot begin to form a true one week, or one month,—it must be for the season entire, with ordinary fair feed. Any stantion is not to be relied on. I remember to have was doing quite well. A few years since, I rethe first premium of the County Society. This one ill-looking, hornless animal, that was purchased from a Hampshire drove, about thirty years since. They were pastured on five acres of eight feet in height. Those which I left uncut ground, and no more, with plenty of pure water have proved perfectly hardy, nor have I a doubt from the adjoining hills. In the space of forty that they are perfectly adapted to this climate. days they yielded 240 lbs. of butter, of first quality. These are products in the ordinary way. safe to offer double price for such butter.

January 8, 1855. Essex. For the New England Farmer.

PROFITS OF HENS.

	DEBTOR.	
44	bought 8 hens and 1 cock—cost 4 turkeys	
March 8,	bought 8 hens	267
66	35 ducks' eggs	50
Corn and me	al during the year	20 64
Cost of fowls	and keeping	\$31 20
	CREDIT.	
69 chickens a	and turkeys soldgs sold and used	\$31 44
On hand Dec	. 31, 14 hens and 1 cock@ 6	.507 50
12 ducks		506 60
		\$74.71
Less cost		31 20
Net profit on	this small lot of fowls	\$43 51

Yours truly, Malden, Jan., 1855.

For the New England Farmer.

BASKET WILLOW.

Mr. Editor :—As the introduction of any new mer" of Middlesex, should not have rendered a tree, shrub, vine or plant which can be cultivated with profit, improves the condition of the farmer, and adds wealth to the country, it is with much pleasure that I am able to submit to your readers the following facts in relation to the cultivation

of the European Basket Willow.

Having, in the spring of 1853, obtained several idea of the value of a cow, from the product of hundreds of willow cuttings, I planted them out about the 20th of April, on land which had been dard of judgment not based upon such a foundation of the matter of the m tion is not to be refied on. I remember to have seen in the *Michigan Farmer* a few days since, a they received no better attention than is usually butter, and 1050 lbs. of cheese, in the space of given to a crop of corn or potatoes; they made a butter, and 1050 lbs. of cheese, in the space of growth of from three to six feet in height, and in 100 days, the present season. These were said to November they were cut up and the stumps also notice that the stumps also not the be native stock. According to my notions, this lowed to remain unprotected through the winter. Last season they received neither manure or culmember the Albany Cultivator gave a statement tivation, but were allowed to grow in their own of the dairy products on the farm of Mr. John Stone, Jr., of Marblehead, for which he obtained free, natural, yet graceful way. On cutting them the stone, Jr., of Marblehead, for which he obtained free, natural, yet graceful way. up last November, I measured a rod, and on stock consisted of four cows, all descended from after the rate of 80 lbs. less than nine tons to the aere.

A very large portion of them grew from six to that they are perfectly adapted to this climate.

There is now a machine for peeling them at a trifling expense, and there is, in my opinion, no There may be Durhams, Jerseys, or Devons, that will do more and better than this—but when they will do it on the same kind of feed, and with the profitable crops which the farmer can grow, nor will do it on the same kind of feed, and with the will do it on the same kind of feed, and with the can I see any reason why it will not make one of same attention, and up more, I think it will be the best land fences of any material which has ever been introduced. I am resolved to give them the same? E. Hersey.

Hingham, Mass., 1855.

Remarks.—This subject is one of much importance, and ought to receive more attention. We have not the statistics at hand to show what the amount is, but the sums are very large which are annually sent out of the country for willow. We more than suspect that the idea that willow cannot be raised with profit in this country, has been industriously circulated by interested parties. We hope to hear from our obliging correspondent on this subject again. We have specimens of his growth of willows now before us, very smooth and even, and about nine feet in length.

For the New England Farmer.

AN AGRICULTURAL GLIMPSE OF WASHINGTON CITY.

BV HENRY F. FRENCH.

My Dear Brown :- "This is a great country," as the orators all say, and one is not obliged to go out of it to see sights quite unfamiliar to many who read the Farmer.

region as may be seen on Pennsylvania Avenue, the great thoroughfare between the Capitol and the Presidential mansion, would illustrate a favorit idea of your own that "there are different fashions in different places," in a manner that would amuse a Massachusetts or New Hampshire farmer. I have just taken a walk through the city, and on my way passed through the market, which is more crowded than usual on account of approaching Christmas, which is regarded, with the remaining days of the month and New Year's day, as a festival season, not only by members of Congress, but by the miscellaneous crowd, of all colors, who inhabit this great city. And let me say, in passing, if we New England people would set apart more time for social amusement, instead of devoting it all to working and sleeping, we should find it for our advantage.

Let me try my daguerreotype upon a few objests presented by the great avenue on a market morning. There comes a load of hay, drawn by an ox-team. There are four animals, called oxen; two of them are of a grizzly white, without horns, and the others of dark colors, with long horns. They all look of different ages, ranging from three to ten, and, from some principle of taste that prevails here in such matters, each yoke is

a fair trial, and shall in due time, with your per-they would answer just as well either side up. mission, report the result. Will not others do The bows are small sticks, with the bark on, and one end of each is nearly a foot longer than the other, with the slanting cut of the axe on each, showing that the length is just as the stick was originally cut. A rope is attached to the horn of the near ox of the forward yoke, wherewith to pull them round, so that the team need not indulge their constant propensity to run away from the driver, when they ought to haw. The cart has small, narrow wheels, with two sticks of round timber for sills, and two sets of hoops on each side, bent into the form of half circles, and the ends thrust into the sills, to form the sides of the cart.

The load consists of not more than half a ton of hay, on the top of which sits "a gentleman from Africa," with a pole about twelve or fifteen feet long, with the bark on, and a line of no particular length on the end of it for a lash. This is the driver, and he whips the oxen most of the time, while two other darkies, a small and a big one, seem to act as an advance guard, sometimes riding on the load, but, in ease of emergency, running to the off side, to seare the team round, when a pull on the rope is not sufficient. Riding A glance at so much of the agriculture of this at a short distance behind, on horseback, is a white man, who probably owns the entire set of quadrupeds and bipeds above described, and who finds it necessary to be near enough to take the pay for the hay when sold. The hay is worth "a dollar and a levy" a hundred, or twenty-two and a half dollars a ton. And so this tasteful procession moves up the spacious street, amid gilded coaches with splendid horses, and servants in livery, while the paved walks on either side are crowded with "fair women and brave men," in rich attire of laces and furs and velvets, interspersed with negroes and occasional pigs, to correspond with the variety of the earriage ways.

> There is a load of wood, of about half a cord, on a wagon drawn by two mules and two horsesnot a pair of mules and a pair of horses, but a mule and a horse in each span. The pole of the wagon is very long and nearly touches the pavement, while the forward animals are so far off of the hinder ones, that they hardly appear to belong to the same establishment. Upon the near wheel beast, on an old saddle, rides the driver, with a short eart whip. He is a negro or mulatto, and keeps up a continual discourse with his cattle, which they understand better than I.

The collars, like most of those used for mere made up of a white and a dark-colored ox, a labor, are of braided straw, and the hames of horned and a hornless one. They are all small, wood. The reins of most of the horses about the and poor as skeletons. The yokes are nearly market are of hempen cord. Indeed, the whole straight, about such as you could hew out of a fitting out of a negro servant for market-man, four inch joist with a broad axe, and look as if beast, cart and harness, is of the poorest that

will hold together. Nothing that I ever saw in be a most valuable compost by the time manure deserves to be exhibited in the same museum, or anywhere else, on the same day. But this is only a partial view. Look again, and you may stye. It is altogether preferable, however, to let affords, with a huge block of marble on a low over in the yard. It thus becomes thoroughly car. The animals are fat and well groomed, worked over and saturated and mixed with the large, and fitted with fine harnesses, and every droppings of the yard. However, it matters not owned by a contractor upon the public works, or it, as that you get the muck out .- Grante Farmer. perhaps one of Uncle Sam's own teams, which, like everybody else fed at the public crib, are in good condition.

Roaming about the broad streets, shivering in dote :the cold and mist, are numerous poor, pitiful objects, in the shape somewhat of cows. They very superior canary bird, which has been celeare not so poor, now, as they will be next spring; which he has been offered large sums of money, but to us, who live where cattle are not suffered About three weeks ago our friend being awakento go at large, and where the idea prevails that ed from a "nap" by its voice, rose and hastily milk cannot be manufactured even by a cow out exclaimed, "D—n that bird." The bird, then of a north-east wind alone, to us they present a hopeless picture. Most of them have no horns, and this fact seems to render them still more oband this fact seems to render them still more oband. jects of compassion. The cattle here are a mix-ture of the short-horn Durham, and the Buffalo account for this?" or hornless breed. They are of fair size, and if ter, and therefore are inclined to place full faith well fed, would doubtless prove good milkers. in the above, extraordinary as it seems. A gen-There are no enclosed pastures about this city, tleman devoted to the study of natural history, but the cows, in summer, run upon the extensive commons, and in winter are about half fed at home, and then turned loose to find what they can in the streets. Various plans are devised to filly of flying into a furious fit of passion upon any small provocation, and that the effect of this induces them to return home at night. induce them to return home at night. Starva-manifestation of bad temper upon the bird was tion compels them to it in winter, and in summer very singular, seeming to produce in it a somethe calf is kept, a great part of the season, as additional security. As a consequence of this mode of taking core of the cows, milk is said to circle. of taking care of the cows, milk is sold for eight begin to kindle, than his bird would made a sudor ten cents a quart, wine measure, and butter den dart at them. Upon several occasions he for from thirty-one to forty cents a pound.

sidewalks, and everywhere else. What the Irishmeets is a hog!

another walk through the market, I shall, per-cial favorite; and had cherished it so much that haps, give your readers a pen and ink sketch of the little creature seemed to be positively unhappy such features of it as are not familiar to the eyes, when she was not present. It was thought best of Northern farmers.

Truly yours, II. F. F. Washington, D. C., Dec. 27, 1855.

and now is the time to get it out. Sledded out vorite had fallen to the floor, dead. in this and the next month, and strewed around. Other anecdotes of a similar character have

New Hampshire, except the Gipsey basket-makers, is wanted, in the spring. It will be valuable as see as splendid a team of draft horses as Boston muck hauled out so late, remain over the followaffords, with a huge block of marble on a low ing season, being occasionally hoed or shovelled thing indicates thrift and energy. That is a team so much where you put it, or how long you keep

SENSITIVENESS OF BIRDS.

A Buffalo paper relates the following anec-

"A friend of ours has had for a long time a brated for its excellence as a songster, and for

came very near losing the sight of one of his eyes, As to swine, they are in the streets, upon the in consequence. And he became therefore exman said of Cineinnati might be said with equal cumstance, he attributed, we know not how trutruth of Washington, that every third man one ly, a very great improvement in his power of self-

government.

The same gentleman also informed us, that his But enough for this time. After I have taken wife had chosen one among his birds as an espetherefore to try to wean the bird a little from her, and she was desired to take no notice of it for a time. His wife did as requested, and the next morning, when she entered the room where the birds were, repulsed the little creature as it flew towards her; and when it flew back again to its SWAMP MUCK.—There are some localities where perch, began to fondle another. A few minutes muck of good quality is found that cannot be clapsed, and hearing a slight noise, she turned reached by wheeling. It can be done by sledding, again towards her former pet—the discarded fa-

the stable yard or thrown into the pig-stye, it will been related to us, going to prove the extreme

sensitiveness of these little beings. In some cast are still to be found not quite overtaken by the es manifesting their sense of neglect on the part march of mind. There, too, are huskings, and of their owners by grief, as in the above instance, apple-bees, and quilting-parties, and huge oldand at other times by exhibitions of anger, and fashioned fire-places piled with crackling walnut.

even of revenge.

health. He gave it as his opinien, drawn from superstitions of ancestors still love to linger; much observation, that there was no cruelty in and there the half-sportful, half-serious charms confining certain species of birds in eages, if the of which I have spoken are oftenest resorted to cages were reasonably spacious, and they were It would be altogether out of place to think of not deprived of those social pleasures which continue by our black, unsightly stoyes, or in the stitute so large a proportion of the enjoyment dull and dark monotony of our furnace-heated which the Creator designed for them. The sper-rooms. Within the circle of the light of the cies from which pet-birds are generally taken, he open fire safely might the young conjurers quesconsiders naturally fitted to enjoy companionship tion destiny; for none but kindly and gentle with man; and like the dog and the horse, hapmessengers from wonder land should venture pier in a restricted sphere with him, than in a among them.—J. G. Whittier. state of absolute freedom without him. But to separate the male and female bird, he considers, as we have said, both injurious to the health and happiness of these floating remnants of the vanished Eden.—Saturday Eccning Post.

TELESCOPE GLASSES.

The manufacture of telescope glasses is one of the most intricate and nice undertakings in mechanism. The risk of securing good glasses even after months of labor, is very great, and consequently gives great value to a perfect one.

The manufacturers first take about 300 lbs. of flint glass and fuse it by a very hot fire. While in a liquid state in the furnace, the vessel containing it is walled completely up, and suffered to cool very slowly, sometimes occupying two months in the process. When perfectly cool the mass is fractured by a process which is retained a secret among manufacturers. The fragments being of various sizes are of different power of reflection, and are worked into glasses proportioned to their powers. In working them into form, the edges are first ground so that they can be looked through in every direction, in order that it may be ascertained if they contain any imper-fections, such as cracks, speeks of dirt, or bubbles of air. In case anything of this kind is discovered, they are cut into smaller size, but if perfect, then they are ground into size and form to suit the design of the manufacturer. When this labor is completed, they are annealed or heated almost to fusing, in order to give them a perfect polish and shape, and also to free them from brittleness. The process is slow and tedious, and W. Proctor, of Danvers, we have the satisfacrequires great skill to make them perfect. An object glass which was found in the streets of Munich, when cleaned up and annealed, was sold for \$3,000, and was only six inches in diameter.

The glass which is being manufactured for the observatory at Ann Arbor, is to be seven inches of other societies in the Commonwealth, and, it in diameter, and the whole telescope will cost only about twice that sum, so that it will be seen that nearly as much value is placed upon the small object glass, as upon the whole complicated examine all the details. We have before spoken machinery of the telescope.—Detroit Adv.

England there are children yet; boys and girls on sheep, on introduction of new plants, on farm

flinging its rosy light over many countenances of While we are upon the subject, we may state youth, and searcely less happy age. If it be that the naturalist to whom we have referred, true that, according to Cornelius Agrippa, "a strongly condemned the practice of keeping single birds, both as cruel, and as injurious to their nevertheless also true that around it the simple

SAMUEL APPLETON.

Once at the exhibition of a menageric, the attention of the kind-hearted old man was attracted by a crowd of boys, trying to look at the animals through the seams of the tent. "How much," he asked of the door-keeper, "will you take to let them all in?" A bargain was immediately made, and by this wholesome operation. the happiness of a hundred or more penniless boys was secured for the afternoon. With the bluff heartiness that marked his deportment, there was not only a general benevolence, but sometimes a peculiar delicacy of conduct, which showed that his nature was marked by the finer shades of sentiment. By his will be had left a large amount of property to a favorite nephew. The nephew died, and it was represented to Mr. Appleton by his legal adviser, that, if he left his will as it was, that part of his estate would go to persons who were not at all related to him, and in whom he could be supposed to have no particular interest. Mr. Appleton, after maturely considering the matter, replied that he had concluded not to alter his will; that he believed his friends in another world knew what he was doing here; and he should be sorry to have his nephew see that the first act relating to him after his death was to divert from his nearest relations the legacy intended for him.—North American Re-

ESSEX COUNTY SOCIETY.

tion to acknowledge the receipt of a copy of the Transactions of the Essex County Society for the year 1854. The publications by this society have ever taken a high comparative position with those we do not mistake, the present will fully sustain this character. We have not had opportunity to of the excellent instruction in the address, by Mr. FAY. The reports on the dairy, on fruits, Wood Fires.—In many a green valley of New on vegetables, on swine, on horses, on milch cows,

implements, &c., appear to be elaborately and for his favor. We fed, last year, from ten to earefully drawn, containing many valuable sug-seventeen swine on a mixture of Swede and flat gestions. On poultry there is an extended paper turnips, beets, carrots and parsnips, boiled and of twelve pages, in the peculiar style of the chair-mixed with a small portion of cob-meal. They man, which serves as spice for the coarser productate it greedily and throve well. Will others give tions, on growing cabbages, making manure, &c., us their experience on this subject? which are among the more congenial labors of the farmer.

We are glad to see the topics of under-drawing LEGISLATIVE AGRICULTURAL MEETand deep tillage are about to be taken in hand in Essex, and, with their usual vigilance applied, we cannot doubt that benefits will accrue to the farmers. We wish all parts of the Commonwealth were as fully awake to their duty as they appear to be in Essex.

For the New England Farmer.

TURNIPS FOR PIGS.

Mr. Editor:—Have any of your correspondents had any experience in feeding pigs on turnips! Last June I found myself destitute of potatoes in consequence of the rot, with two pigs of eight weeks old, and nothing to give them except some Swedish turnips, which still remained hard and sweet in the cellar. I comwhen cut up and given raw. Whether their keen appetite was induced by a somewhat short allowance previously, or from something peculiar in utive Committee, Messrs. Charles L. Flint, Secrethe kind of food, or of the animals themselves, I am not able to determine. In my not very extended experience in pig raising, I have never had them appear so well during their growing condition as these.

Reasoning on theoretical grounds, I see no adopted. reason why the turnip may not be valuable for growing pigs, as well as for growing cattle. They are easily digested, contain the necessary elements, especially nitrogen, for flesh-growing, and during the spring and early summer are in as question for me to know is, whether they will drought of the past season. It had been in the relish them as well as mine have the present season. I have been in the habit, for many years, of picking off the outside leaves of cabbages and every part of the Commonwealth, from Cape giving them to growing pigs. They will cat them Cod to Berkshire, and he had noticed a great difwith great relish, and I could never see but the ference in different regions. In Nantucket, while cabbages headed just as well. Of course it will be understood that it is only in the growing, and not in the fatting condition, that such articles can be of any value.

As the potato is so difficult a crop with us, and be a valuable acquisition if some such substitute for the potato could be found.

Should any one have had experience of this

In a recent article in the Farmer on Witch Grass, you made me say spent tar, instead of spent tan, for mulching trees. N. T. T.

Bethel, Me., Jan. 4, 1855.

Reported for the New England Farmer.

INGS.

The first agricultural meeting of the session of 1855, was held in the Representatives' Hall at the State House, on Tuesday evening, 16th inst., at 74 o'elock. Owing, probably, to the stormy weather, but comparatively few persons were present.

The meeting was called to order by Elijah E. Knowles, the member from Eastham, who presided during the evening.

On motion of Mr. Merriam, of Tewksbury, a committee of five was ordered for the purpose of nominating an Executive Committee, who shall devise a plan for the conduct of the series of meetings and attend to its execution. The Chair menced giving them then, and, with the addition appointed Messrs. Brooks, of Princeton, Freeman, of the slops from the family, they were unusually of Orleans, Lyman, of Southampton, Stock-thriving. They eat these with the greatest relish bridge, of Hadley, and Coombs, of Middlefield, bridge, of Hadley, and Coombs, of Middlefield.

The committee subsequently reported for Exectary of the Board of Agriculture, Elijah E. Knowles, of Eastham, Hiram C. Brown, of Tolland, Granville B. Hall, of Worthington, and Wm. S. King, of Roxbury,—and their report was

Mr. Flint suggested that in the absence of any stated topic for the evening's discussion, gentlemen present from different parts of the State should give an account of the effect prosound a state as the potato. The important dueed in their localities by the extraordinary line of his duty the past summer to visit almost every part of the Commonwealth, from Cape the drought was at its height, the corn seemed to be but little affected, notwithstanding the dry, sandy nature of the soil; while, on passing from Nantucket and Martha's Vineyard to the Connecthe turnip of comparatively easy culture, it would tieut river valley, nothing but clouds of dust were to be seen. In his opinion such a drought had not been experienced in this State for ninety kind, whether successful or not, I would be glad years. We need some means of guarding against to hear from them on the subject through your these severe droughts. In England, farmers are not troubled by such unusually dry seasons. It rains there almost every other day in the year, while we do not get more than forty to sixty days of rain per annum.

Mr. Merriam, of Tewksbury, alluding to the Remarks.—Again we thank our correspondent exemption of Nantucket from the effects of the

drought, said that the island was about 60 miles effects of a drought. from the mainland, was a perfect plain about 3000 erates well, imparting some nourishment and acres in extent, and destitute of trees, and form-shielding from the drought. erly sustained 20,000 sheep. Although it has a sandy soil, it has a humid atmosphere, being sur- were proverbial as a remedy for the drought. rounded by water, the same as Great Britain is. In Middlesex county the drought had been severe. south side of the Cape, in Barnstable county, The soil is generally of a clayey composition, and farmers were at one time insune in regard to fishin ordinary seasons is very fertile. More profit ing their land, but they found that the use of was realized last year on corn sold at 66 cents, fish only impoverished and run out the land, and than this year at \$1.05. On interval lands they have given up the idea. pumpkins and squashes yielded about the usual amounts and the hay crop was about equal to last prehension in regard to the nature of the fish apyear. Rye was almost a complete failure, and plied to lands; he supposed they were all of the vegetables were cut short very much. Peat and common oily kinds. Hence his allusion to the intervale lands were the only kinds that raised drought of 1823. profitable crops.

Mr. Hall, of Bradford, said the Chairman had remarked to him in conversation before the meeting that pieces of land in his neighborhood, (Barnstable,) manured with fish did not suffer from drought, and he inferred from that that lands not so manured were affected by the drouth. He did not understand the philosophy of it, and desired an explanation.

the Cape, at Harwich for instance, they manure their lands with a shell fish ealled "horse feet," and they never suffer from the drought. On his side of the Cape these fish were scarce, and hence not used.

Mr. Flint remarked, as a curious historical fact, that in the drought of 1823, farms upon which fish were applied suffered exceedingly from the drought. In regard to Nantucket, he would say that farmers there make great use of the earcases of sharks, composting them, and putting them upon their land. This fact might have something to do in averting the effects of the drought on the island.

the moisture of the surrounding ocean had great effect in Nantucket. In his neighborhood it was found that if the soil was kept in motion, by plowing and hocing, that it did not suffer much green better this season than for several years, from the drought. On well cultivated lands the notwithstanding the drought, and a good erop of hay erop did not feel the dryness much, as indeed it did not throughout Massachusetts, owing to the] good start it got before the dry season came on. manifested. Some particular pieces suffered from He urged frequent stirring of the soil, as plowed the drought. A good crop of corn was gathered, land attracts moisture both from the atmosphere, and from beneath.

Mr. Higgins, of Orleans, in reference to the "lish question," remarked that the inference that all kinds of fish would avert the drought would not hold good. The "horse feet," were a salt shell fish, and salt will make the soil give; but any fish of an oily nature would only operate to draw the rays of the sun, and thus aggravate the

"Horse feet" on corn op-

The Chairman said that this species of fish

Mr. Iliggins further remarked that on the

Mr. Flint said he had labored under a misap-

Mr. Merriam remarked upon the benefits derived from frequent stirring of the soil, and high manuring, as facilitating the absorption of carbonic acid gas from the atmosphere, an ingredient which enters largely into the composition of all plants. Plowing and manuring produce beneficial chemical changes in the soil.

Mr. Stockbridge, of Hadley, said the past season had been a remarkable one in regard to wet The Chairman said that on the south side of as well as dry weather, in the Connecticut valley. For years they had not had so wet a season. In the spring they had the greatest freshet ever known on the Connecticut; but by the middle of May it was very dry. As regards the crops in general, Hampden county falls but little short of ordinary years. At one time it was thought the corn would come short, but on alluvial lands the erop was good. Broom corn, which is a great crop in that region, never yielded so abundantly as this season. The first crop of hay was good, though not so large as in some years; the second was light. Potatoes were not much affected, and a fair crop was harvested. English wheat and rye were not materially injured by the dry Mr. Buckminster, of Framingham, said that weather; the former however, was cut off by blight and rust.

Mr. LYMAN, of Southampton, (Hampshire Co.) said that in his section the potatoe vines kept potatoes was raised, while the quality was better than the year before, and no signs of rot were and the hay crop was an average one. In feeding his hay the first part of the winter, he thought it was not so heavy as usual and that it did not spend so well, but of this he could not speak decidedly. Oats flourished well where the land was in good condition. Still the drought was very severe. He never knew so many apples to grow in that county before, but they fell from the trees early and decayed rapidly, so that growers did not realize more than usual from that erop.

ish observations along the line of the Boston & represented. Lectures and interesting discussions Maine Railroad. He noticed that English cherry are expected on subjects pertaining to the objects trees, which had been growing for ten years, were of the Acsociation, by distinguished scientific and dry in the leaf in the letter part of Tule and the practical Agriculturists. dry in the leaf in the latter part of July, and fir hand. He attributed these results to the dryness course between the different sections of our land, of the season.

part of Worcester county, those whose lands were are also invited to be present on this occasion. sufficiently deep and well manured did not suffer much by the drought, and never do. So far as his experience had extended he had found that it was necessary to make the soil deep and rich. On the hilly lands of Worcester county he bewere planted on land plowed ten inches deepturnips and grass seed together.

Mr. Barker, of Pittsfield, said he had observed the effects of droughts for twenty years, and he had never seen one yet which would affect a good ones never will. Farmers in his section have had rying out this doctrine, he must inevitably run it good crops.

The Chairman remarked that deep plowing might answer on some lands, but not on the Cape, up by deep plowing.

the proprietors if they did net manure highly, to carry out such a principle. and was told that they did not; but instead,

the meeting adjourned.

nual Meeting of the United States Agricultural portion. Society will be held at Washington, D. C., on portance will come before the meeting. A new well read in everything relating to physiology

Mr. Buckminster, of the Ploughman, related desirable that every State and Territory should be

The various Agricultural Societies of the trees and evergreens suffered in the same way, country are respectfully requested to send dele-On digging four feet deep under an evergreen, the gates to this meeting; and all gentlemen who are soil was completely dry—at least felt so in the interested in the welfare of American Agriculture, who would promote a more cordial spirit of interand who would elevate this most important pur-Mr. Dodge, of Sutton, said that in the south suit to a position of greater usefulness and honor,

MARSHALL P. WILDER, President.

For the New England Farmer.

RELATIVE VALUE OF FOOD.

In the New England Farmer of Jan. 13, I find lieved that the salvation of the crop depended on an article copied from The Plow, The Loom, and loosening the soil to a great depth. A depth of ten inches he thought would remedy the evils er will approve; yet there are some indications of complained of. His soil is elayey and loamy, that ultraism which is the bane of all practical He thought it no harm to bring up the subsoil to farming. Among other objectionable sentences I the surface, and turn the other under. He never cannot help noting the following:-" The more had better crops of turnips than this year. They diluted our food, provided we do not overtask the energies of the intestinal canal in the conveyance of it to its destination, the better for the health of the animal."

Now this means, if it means anything, that, the less concentrated the food of animals,-that is, the greater the proportion of bulk to nutriment, the "better for the health of the animal." farmer. Good farmers get good erops, while poor The writer does not seem to perceive that, in car-"into the ground;" for it comes to this, that, when food is discovered which contains no nutriment at all, it is better adapted than any other for sustaining animal life! We have all heard of where nothing but sterile sand would be turned people who lived on "faith and dumplings," and all agree that it is pretty hard feed; but our Mr. Hall, of Bradford, said he visited a nur-writer on "Root Crops" would give us all faith sery in New Bedford last summer, and found the young trees, particularly the pears, in a remarkably thrifty state, large and vigorous. He asked "circumambient air," would be a model animal

It is argued by all writers on animal economy, double trenched all their ground. It is an ex- (except perhaps the one here referred to,) that pensive process, costing \$200 per aere. A few proper food for man as well as beast requires bulk as well as nutriment. A horse fed entirely on conweeks since he again saw one of the proprietors centrated food, like Indian corn, will gnaw the of the nursery, and inquired about the drought manger in order to obtain the bulk of fibrous in his vicinity. He said it was very severe, but wood which nature requires; and if he cannot he could not perceive that it had injured his nur- procure it, he will sicken and die. The Ilindoos, sery much if any. Mr. Hall also related another most highly concentrated form of food, (containit is said, who feed mainly on rice, which is the fact tending to demonstrate the value of stirring ing about 95 per cent. of nutriment,) will somethe soil for facilitating and preserving vegetation. times eat dry grass or splinters of wood. There At the close of Mr. Hall's remarks (94 o'clock) can be no doubt that bulk as well as nutriment is required in order to sustain the animal functions; but all bulk and no nutriment must be quite as prejudicial as all nutriment and no bulk. The U. S. AGRICULTURAL SOCIETY.—The Third An-only real truth to be sought is the proper pro-

The late Dr. Sylvester Graham, who, with all Wednesday, February 28, 1855. Business of im- his ultraisms, had some very good ideas, and was election of officers is to be made, in which it is was of opinion that wheat, rye or corn, ground

proportion for the human stomach. This is about mous crops of corn have been produced; for 60 per cent, of nutriment to 40 per cent, of bulk, instance, a gentleman in this town last year He was also of opinion that about 20 per cent. of raised 155 bushels to the acre, and this year upnutriment was the proper proportion for domestic wards of 100 bushels of corn to the acre, I think, animals, like the cow and the horse. Good Eng-have been raised in the county. If this rule is lish hay contains about ten per cent, of nutritious the best, let it be adopted throughout the State; matter, and, of course, according to his theory, if not, let some other, for, as it is now, there is something more highly concentrated is required in reason to believe some persons receive more credit order to develop the perfect animal. A moderate for raising large crops than others simply by the quantity of grain, ground and mixed in the form measurement. of "cut feed," has, in the experience of all grow-] West Bridg ers of stock, been found best adapted to animal

health and physical development. This principle, or theory, does not tell well for the opinion of the writer referred to as regards cent. more than half is woody fibre. Only about and portrayed on our first page. four per cent. of the turnip is nutrition. The

ly four times as nutritious as the turnip, pound etc. From my own experience and that of others, I ly four times as nutritious as the turnip, pound for pound. I would by no means discourage the raising of turnips, for the seed can be sown when it is too late to plant any other, and of course where no other crop can be raised for the season. They are useful and healthful to a degree, although they impart a disagreeable flavor to milk, and should not be fed to mileh cows except in the course of the cours very small quantities at a time. No grounds ca-mand-they can scarcely be fenced cheaper or better crops are harvested may be profitably devoted to not easily penetrate or pass it; while the closeness of

the carrot is the most nutritious of all root crops. \$1,50 per rod. I think it will be found on analysis that the common turnip beet is more nutritious than the car-ornamental work in gardens, I think it unequalled in rot—the saccharine matter in the former being cheapness, durability and beauty, by anything yet entirely nutritious. This beet is also much betatively in the saccharine matter in the former being devised. It will, without doubt, eventually be reter for milch cows, as the carroty flavor of milk ceived into general use, when its merits are appreciated is almost as bad as the turnip flavor. For horses, by the public. Yours respectfully, during the winter, the carrot is undoubtedly the best of all root crops, and for their use it should be freely cultivated.

Somerville.

For the New England Farmer.

MEASUREMENT OF CROPS.

propriety of the adoption of a uniform rule for are of any value.
the measurement of crops for premium through- Mr. T. Wells, from Chenango county, under out the State. I am led to do this by the dis-date of Dec. 16, 1854, writes: "I doubt very satisfaction manifested by many in relation to the rule adopted by the Plymouth County Agricultural Society in the measurement of corn for the native red cattle, either for beef or milking, than the premium. By this rule, as is well known, and the cattle." Mr. Thompson, President of the Native red cattle. average square rod is selected while the corn is Yates County Society, writes to B. P. Johnson,

without bolting, constituted about the proper the whole is estimated. Under this rule enor-

West Bridgewater, Mass.

WIRE FENCE.

The following letter from Hon. MARSHALL P. the value of the English or flat turnip as a food Wilder, President of the United States Agriculfor animals. That vegetable contains about 90 per cent. of water, and of the remaining ten per cent. of water, and of the remaining ten per cent.

Dorchester, Jan. 15th. 1855.

potato, on the other hand, when divested of its Charles Crowley, Esq., Agent, &c.:—Dear Sir,—eighty-five per cent. of water, is nearly all nutri- I have recently examined some of the netting of ment—or very nearly fifteen per cent. It is near the Lowell Wire Fence Company for fences, trellises. CHARLES CROWLEY, Esq., Agent, &c .: - Dear Sir,puble of producing other crops, should be reserved than by this mode of tence. The stouter kinds of for the flat turnip; but grounds from which early this netting are of such strength, that cattle could crops are harvested may be profitably devoted to this erop. In some seasons the turnip will grow the lighter kinds, renders them admirably available well if sown as late as the twentieth of August, or even the first of September; and as the seed is easily raised, farmers and gardeners will lose nothing in scattering it, not too thickly, over grounds harvested up to those periods. But the grounds harvested up to those periods. But the no fencing so good as this, that can be procured for turnip erop never ought to interfere with any \$1,50 per rod, the highest price asked for the most her.
Neither do I agree with the same writer that only fencing of equal merit that can be bought for

As a material for rose-trellises, grape-trellises, and

Marshall P. Wilder.

For the New England Farmer.

NATIVE CATTLE.

Mr. Editor:—In the number for January of the Journal of New York State Agricultural Socicty, is the following testimony, that may be Mr. Brown:—I would suggest to those inter-instructive to those who are not willing to admit ested, through the columns of your paper, the that eattle, which are generally termed native,

in the field, the product weighed, and by which Secretary of the State Society: "Some attention

is paid to the breeding of Durhams and Herefords,

Perhaps it will be said the men who write thus are of the Know-Nothing order; but if they are, judgment is most worthy of confidence.

Please oblige your readers by giving this a place in your Yankee Journal.

Jan. 15, 1855.

For the New England Farmer.

LETTER FROM MR. FRENCH.

A GLANCE AT WASHINGTON CITY MARKET.

the sales are by no means confined to these build-two dollars. ings. All around, on, and about the adjacent sidewalks and squares, on market mornings, three like vulgar ducks and geese, beautiful swans, times a week usually, is a throng of sellers, prin-killed for food! Heretofore, I had regarded these cipally blacks, in ludicrous variety of appearance stately creatures as intended solely to gratify our and employment. Backed against the curb-stone love for the beautiful; but alas! this utilitarian are long rows of market earts and wagons, of all age pays little homage to that beauty which is conceivable shapes. Here is a tolerable looking not at the same time profitable. A common and horse-eart, with a mule attached, having his excellent cheap article of food is exposed in mane sheared and his tale also, except a tuft of abundance, cooked ready for the table, which hair at the end, to gratify the freakish taste of they call hominy, and which ought to be used his negro driver. There is a market wagon, of at the north. It is made of white corn, merely large size, with three or four hoops bent over it, cracked and hulled, and boiled soft, and forms and a large cotton covering, to shelter the half-the best substitute for potatoes. It is eaten with dozen darkies who have come into the city in it, meat, like the common garden vegetables with us. and who are now pursuing their separate duties No yellow corn is used here for food, and little or of selling little commodities about the market. no rye and Indian bread, such as is common with Many of these wagons, loaded with grain, vege-us. The market is abundantly supplied with tables, poultry and other catables, come to their game of all kinds, ducks, venison, quails and the places during the night, or previous evening, so like, and with finer mutton than is often found ts to get good stands, which are appropriated by in Boston. Prices of provisions and every thing the first comer.

again is an old lady, who has bunches of the three or four turnips, and so on, requiring as coop of small live chickens, not of much larger of small size, of pigs weighing about a hundred size, which are sold at some twenty-five cents pounds. Aside from the lard and middlings, each, to be forthwith served up at the hotels for animals of this size make much better food than dainty morsels of food.

And under that wagon is a live pig, tied by but native Americans are most in favor for the one foot, looking as if he might have a year's experience with about two months growth, designed for immediate slaughter, or to be kept a few I think they are in a fair way to be of the ma-months longer, as the purchaser may think proper. jority. So say those of my acquaintance whose A half-dozen living calves, of a few weeks' age, are lying, tied neck and heels, gasping for breath, on the hard pavement, and not far off as many eows, of all colors and shapes, for sale. Most of them are poor in flesh, though with marks of good qualities as milkers. Turkeys are sold, not by the pound, as with us, but at so much apiece, at prices not very different from those of Boston. I find good practice for all the knowledge of frac-The principal market of the city of Washing-1 ions which I derived from the arithmetic in my ton is upon Pennsylvania Avenue. The buildings school-days. On my inquiring the price of poconsist of a large extent of low one-story brick tatoes, I received the edifying reply, "three fips and wooden white-washed structures, of no par-for a quarter of a peck." A fip being six and a ticular order of architecture, which, were it not quarter cents, you have the basis for a calculadisrespectful, might be described as sheds better tion how much potatoes were sold at per bushel. than by any other words. These are divided into That, however, was the highest retail price, the stalls, and are rented to the market-men. But price by the bushel being from one and a half to

I was quite shocked to see, exposed for sale, are arranged upon the principle that every office-Squatting down upon the payement, on all holder shall spend his salary, more or less. Pubides, are numerous old colored women, with lie opinion seems to demand this, and houses are little stores of fruit, eggs and the like, advertising constructed to meet this idea. There is no such their wares by word of month to the passers-by, thing as a cellar under one house in a hundred, There are three or four singular-looking animals, so that provisions cannot be laid in for a winter, bearing some resemblance to small pigs, which a as with us, but the market-basket must go down small nigger introduces to your notice by the three or four times a week, for a half peek of question, "Have a possum, massa?" There potatoes and a dozen apples, and a cabbage and smallest kind of little birds, of the size of robins, much time as the whole would be worth in our dressed ready to cook; and there another, with a northern villages. Most of the pork sold here is the full-grown, over-fatted hogs of the northern

markets. The idea is gaining ground in New England, I think, that there is more profit in killing our swine, at a year old, than in keeping them over an entire winter. Here, however, the dead bodies of these quadrupeds indicate that their sphere of action was not limited to a sty merely, but that a good long set of legs and a nose to match, were essential to their style of

One fact impresses all who come here from the north, that in every thing pertaining to agriculture, there is wanting the system, and neatness and energy, which educated free labor alone can develope.

I am expecting to visit the farm of a friend near the city soon, and will give in my next some idea of how a New England man cultivates a southern farm. H. F. F.

Washington, D. C., Jan. 8, 1855.

For the New England Farmer.

PEALING THE BASKET WILLOW.

Mr. Brown:—I have lately witnessed the trial of a machine, invented by George J. Colby, of Jonesville, Vt., for peeling the basket willow, which is destined to become of great importance in this country. It does the work in the most perfect manner, is operated by one horse-power, and with

two men, will peel one ton per day.

It has been fully proved, within a few years, that the European Osier will thrive as well in this as in the old country, and those cultivated here are sought after by the manufacturer in preference to the imported. There are annually imported to the United States over five millions dollars worth, besides the manufactured article, which amount is very large, all of which might be cultivated in this country to great advantage.

The only objection to the cultivation of the willow in this country, has been the scarcity of labor required to peel it for market, as it must be done in the spring, during the short period that the bark will strip, and in many localities the required labor cannot be had. The estimated cost for peeling by hand, is about \$40 per ton. That objection is now removed by the invention of a machine for the purpose. I doubt if there is any business that will yield the husbandman as large a profit as the cultivation of the willow, by those who have suitable soils. It will thrive well on most of our soils, or any that are rich and moist, or what is termed good grass land; but tive willow, and will yield an average of two tons per acre. The present price for the willow is 6 cents per pound, with an increasing demand, and much larger than the supply.

The best willow for cultivation of which I am acquainted, is the Salix viminalis; it grows in this locality from eight to ten feet high, is very smooth, free from knots, and never branches. There are other varieties that are valuable for hedges, or live fences, which will yield an annual profit for Osiers. J. R. Jewell.

Bolton, Dec., 1854.

FORGIVE AND FORGET.

BY THE AUTHOR OF "PROVERBIAL PHILOSOPHY." When streams of unkindness as bitter as gall, Bubble up from the heart to the tongue, And meekness rising in torment and thrall, By the hand of Ingratitude wrung-In the heart of injustice, nawept and unfair, While the anguish is festering yet, None, none but an angel of God can declare "I can forgive and forget."

But if the bad spirit is chased from the heart, And the lips are in penitence steeped, With the wrong so repented the wrath will depart, Though scorn on injustice were heaped; For the best compensation is paid for all ill, When the cheek with contrition is wet, And every one feels it is probable still, At once to forget and forgive,

To forget? It is hard for a man with a mind. However his heart may forgive, To blot out all perils and dangers behind, And but for the future to live ; Then how shall it be? for at every turn Recollection the spirit will fret, And the ashes of injury smoulder and burn, Though we strive to forgive and forget.

O, hearken! my tongue shall the riddle unseal, And mind shall be partner with heart, While thee to thyself I bid conscience reveal, And show thee how evil thou art: Remember thy follies, thy sins and thy crimes-How vast is that infinite debt! Yet Mercy hath seven by seventy times Been swift to forgive and forget.

Brood not on insults or injuries old, For thou art injurious too-Count not the sum till the total is told, For thou art unkind and untrue; And if thy harms are forgotten, forgiven, Now mercy with justice is met; O, who wouldn't gladly take lessons of Heaven-Not learn to forgive and forget?

Yes, yes, let a man when his enemy weeps, Be quick to receive him as friend; For thus on his head in kindness he heaps Hot coals-to refine and amend; And hearts that are Christian more eagerly yearn Over lips that, once bitter, to penitonce turn, And whisper, "forgive and forget."

For the New England Farmer.

MACHINE FOR CHOPPING BRUSH.

Messes. Editors:—In passing through Methuen, a few weeks since, I had occasion to call on Col. Charles E. Stanley, of that town, when I was shown by that gentleman a machine, or rather, cutter, belonging to him, to which horsepower is applied, for the purpose of cutting limbs that is best adapted which is natural to our na- and brush at the door. It is called "Daniel's patent" of Vermont, being very much on the principle of some hay-cutters, only on a much larger scale. Two huge knives, about eighteen inches long, one-half inch thick, and four and a half in width, are strongly fastened on the shaft roll. A good feed roll is also applied. Hard wood limbs, without trimming, that are not more than three inches, or pine, that are not more than four and one-half inches through at the butt, are cut with ease. By changing the gearing, they can be cut any length desired, from four and one-half to one-fourth of an inch in

burn well in a week.

man, with a good yoke of oxen, can had and forest. dump them from one-fourth of a mile distant. The advantage of cutting it so fine is, that it manding a view of the noble Hudson on the east, brings much scraggy and otherwise worthless the magnificent scenery of the Highlands on the brush, up to more than the value of its weight south, and on the north and west a thick mass of in solid wood, which, in these times of searcity trees, streams, and ruined hamlet cottages. It is and high prices of fuel, is an object of too much built in the English villa style, with piazzas and importance to be overlooked. Colonel Stanley's deep bay windows facing the river, and abounds neighbors bring brush to him to be cut on equal in gable roofs, with oriole and dormer windows shares. As near as I could judge, this machine jutting out, and clustering chimneys terminating will do the work of forty men.

they are not cut square off, but obliquely, one paintings of distinguished personages, landscapes side being concave and the other convex; conse-of beautiful seenery, marbles, bronzes, medals, quently they are shattered to such a degree, that statuary, and engravings in rich profusion. the air is admitted entirely through them, and the drying process immediately commences.

Danvers, Jan. 16, 1855.

"IDLEWILD."

the columns of the Rochester Advertiser, we con-they are to meet the following morning, and be dense a brief description of Idlewild, the garden ready to start for work. Men, women and chilhome of N. P. Willis. It is situated on the west-dren are included in this order, of course; they ern bank of the Hudson river, a few miles south assemble as directed, and are then driven like so of the town of Newburgh. In its immediate vi- many oxen to their labor. Of whatever kind the cinity are many beautiful country seats, including work may be, the women are obliged to toil as among others those of J. T. Headley, the artist the men; the children are assigned lighter tasks, Durand, and the late lamented Downing, all of which are adorned by the rarest embellishments of art. But Idlewild, situated amid the most lively braided strips of leather, and should any one prescenery of the valley of the Hudson river, is the sume to stop even for a moment, the lash is uumost beautiful country seat in the region. The mercifully applied; children are not exempt from domain comprises about one hundred acres of land, which, when they came into the possession of punishment, he or she, is obliged to kiss the Willis, were clothed in a dense black forest of cellular or foot of the inflictor. Should any one redars, firs and pines, and other mountain trees, as fuse to do so, as is sometimes the case, the poor wild and thick as when the Indian war-hoop creature is laid upon the ground, and receives echoed through their shades. The grounds post-forty additional stripes, then with blood tricks as a great variety of surface, seene and prospect, ling from his back returns again to work. In and the fine taste of Willis has seized upon every some instances (the overseer being in an unusual opportunity to enhance the charms which nature passion,) children, perhaps a son or a daughhas grouped in such harmonious contrast.

broad, deep glen, over whose rocky bottom flows administer the lash with his utmost strength. his gold fish. In another he has taken half the his back a coarse cloth sack, containing the dinflow and swollen it into a miniature lake for his and if the bearer has been so fortunate as to have little boat. At several points along the stream he recently killed a pig, he takes with his bread a has thrown rustic bridges from bank to bank. piece of raw pork. Before commencing work, beautiful. It resembles a vaulted cathedral; and every one for his bag, and then commences a debrown stones, with their mossy sides, which are manner. Each gang is allowed a mug of water, scene, gray, cowled monks, counting their beads have been served. Such is the manner in which

length. When green pine limbs are cut two for vesper prayers. The ground is intersected in inches long and spread upon a floor not more almost every practicable direction by carriage than ten inches in depth, they will dry so as to roads, and narrow footpaths wind around the sides of the steep cliffs, amid thickets of cedars Col. Stanley says he can cut limbs and brush and pines, clumps of fir and weeping larches, and to the above degree of fineness faster than a smart solitary old oaks, the majestic monarchs of the

The house is situated on a high point, comthe pinnacles. The interior is adorned with rare The reason that the chips dry so quick, is, that curiosities, collected in Europe and America-

This is Idlewild.

SERF LABOR IN POLAND.

In every village is an overseer, whose duty it is to eall in the evening at each hut, and notify the From an interesting letter which appeared in immates as to the part of the plantation where ter, are required to hold down a parent, whilst Running diagonally through the estate is a another member of the same family is made to a clear cold stream of water. Willis, by means of jutting rocks and artificial dams, has broken this stream into singing cascades and murmuring without many individuals being subjected to such waterfalls. In one place he has lured a portion treatment. When they leave their miserable of the waters from their channel, to fill a pond for homes in the morning, each peasant carries upon stream to form the shooting jets of a fountain; ner of its bearer; this consists of a loaf of brown and still further down the glen he has checked its bread, having the appearance of baked sawdust; The view from the lower extremity of the glen these sacks are deposited in heaps upon the upward, through the deep vista of trees joining ground, and at noon, when the signal is given, their branches over my head, is said to be very they rush with the speed of half-starved animals, the imaginative eye may behold in the large vouring of bread and salt in the most ravenous scattered in picturesque confusion throughout the and this is passed from one to another until all

these poor creatures toil on through their period should not nature's noblemen do the same and of existence, without a ray of hope to cheer, or a share the rich reward? 'Can any one man worksingle solace to alleviate their woes.—Allen's Au- ing alone on his farm, learn as much as one huntocrasy of Poland and Russia.

FARMERS' CLUBS.

exchanges, and wish we could give the writer relation to agriculture; and should a hundred credit for performing so good a deed, as that of neighbors meet, then each will learn ninety-nine writing it, but there is nothing attached to it by new facts for one communication. Pretty good which we may know its paternity.

sticks, to quicken the pace of Buck to keep up ed such a meeting without learning something with Bright. We mean no such un-farmer-like new, practical and useful?" expedient to quicken the pace or sharpen the intellect. It is the farmers' social club for mental and agricultural improvement that we have in our mind's eye, and about which we propose to stir up the thoughts of farmers, by way of redeal in the open air, to convert what you eat inmembrance.' Old soldiers love to fight their battles o'er again, and old men like to discourse of out-door air, day or night. Do not be afraid of what occurred in the days of their youth. Long time ago we remember attending a meeting of farmers' boys for amusement and instruction when the merry sentiment went round the ring, with the action suited to the word-

"Thus the Farmer sows his peas, And thus he stands and takes his ease; But you nor I, nor no one knows How oats, peas, beans and barley grows."

dred men?' May not each discover some practieal and important fact, and should not his neighbors know it! Let farmers hold such meetings and take their sons and workmen with them. 'A We find the following excellent article in our the past year, he has not learned one new fact in interest, surely; and what is better, the givers and the receivers each get their pay down. What "We do not mean Herculean clubs, nor goad farmer that deserves the noble name, ever attend-

ADVICE TO CONSUMPTIVES.

Eat all you can digest and exercise a great what occurred in the days of their youth. Long sudden changes of weather; let no change, hot or cold, keep you in doors. If it is rainy weather, the more need for your going out, because you eat as much on a rainy day as on a clear day, and if you exercise less, that much more remains in the system of what ought to be thrown off by exercise, and some ill result, come consequent symptom, or ill feeling, is the certain issue. If it is cold out of doors, do not muffle your eyes, It was an ancient farmers' club in miniature, mouth and nose, in furs, veils, woolen comforand we know what lad it was of the number who ters, and the like; nature has supplied you with married the district 'school-mar'm,' and in after the best muffler, with the best inhaling regulator, life was sure to get a premium at the eattle show that is, two lips; shut them before you step out for the best butter, and won the reputation of of a warm room into the cold air, and keep them being the best farmer in the county. It was the shut until you have walked briskly a few rods son of a Scotchman, who was always first and and quickened the circulation a little; walk fast foremost at the juvenile meeting, when amuse-enough to keep off a feeling of chilliness, and ment was always blended with instruction. Those taking cold will be impossible. What are the meetings taught us the useful lesson, that a little facts of the case? look at the railroad conductors, often shows what a good deal means. While the going out of a hot air into the piercing cold of scholars in our county districts are profitably winter and in again every five or ten minutes, spending a winter's evening at the spelling school, and yet they do not take cold oftener than others; would it not be well for their fathers to assemble you will searcely find a consumptive man in a in some convenient place, and in a free and famil-thousand of them. It is wonderful how afraid iar manner, 'tell their experience' in farming, consumptive people are of fresh air, the very and communicate to each other how they man-thing that would cure them, the only obstacle to age to raise the best stock, and enter into all the a cure being that they do not get enough of it; minutiae and variety of good husbandry? It and yet what infinite pains they take to avoid seems to us that much useful information would breathing it, especially if it is cold; when it is be elicited, and that each and all would derive known that the colder the air is the purer it very great benefit from participating in so pleas-ant and profitable a discussion. Such farmers' clubs are held weekly in many of the school dis-then selves for a whole winter in a warm room, triets of Massachusetts, Maine and New Hamp-with a temperature not varying ten degrees in shire—why should they not be held in every town six months; all such people die, and yet we foland district in Vermont? Can any one assign low in their footsteps. If I were seriously ill of a good and sufficient reason why such meetings of consumption, I would live out of doors day and the fords of the soil,' for mutual improvement, night, except it was raining or mid-winter, then and for discussing the great and paramount question, what shall be done to promote agriculture, consumptive friend, you want air, not physic; may not be as pleasant and profitable in Vermont as they are in other States? Questions given out at one meeting and discussed at the next, will give, and they alone; physic has no nutriment, elicit thoughts and important facts, excite a laudable ambition to excel in word and in deed, in theory and in practice. Morehants models in a gynnasium cannot cure you; and stimulants theory and in practice. theory and in practice. Merchants, mechanics cannot cure you. If you want to get well, go in and manufacturers hold such meetings, and why for beef and out-door air, and do not be deluded

into the grave by newspaper advertisements, and States. unfindable certifiers.—Dr. Hall.

TRANSACTIONS OF THE NEW YORK AGRICULTURAL SOCIETY.

Through the polite attention of the Secretary, B. P. Johnson, Esq., we have before us the Transactions of this Society, for the year 1853. enlarged and printed in a style deserving much praise. In its paper, typographical execution, illustrations and binding, it surpasses its predecessors, showing that the arts connected with book-making are improving, pari passu, with the science and art of agriculture. Massachusetts must look well to her laurels in these respects.

This fine volume of 780 pages is filled with varied and valuable information, showing not only the actual state of agriculture at the present time, and the advance that has been made on the past, but also a steady purpose to incorporate into the mass of knowledge available to the cultivators of the State, the discoveries in science and art, that are made in other countries and cli-

The first thing we notice is a copious and wellarranged index, adding much to the value of the volume.

We next, have Mr. Secretary Johnson's report to the legislature, showing briefly what has been accomplished, and making important suggestions for the future.

We then have the address of William C. Rives, of Virginia, delivered at Saratoga in 1853. This address contains some broad national views of the paramount influence of agriculture to this country. Then follows a highly valuable lecture upon flax, delivered at the same place, by Jonn Wilson, of Edinburgh. This is a subject of great importance to this country, especially when considered in connection with the improved methods of preparing the fibre for the use of the manufac-Mr. Wilson presents are of a startling character to one wholly unacquainted with the subject. Great Britain is paying annually twenty-five for flax-seed, and two-and-a-half millions for linseed cake, and requires 600,000 acres to produce other countries.

fifteen millions of which came to the United the country.

These statistics are of the most suggestive character. Why should not the United States at least supply the raw material sufficient to furnish the quantity in a manufactured state which she demands for her own consumption?

The committee upon flax and its culture state that there is in the State about 8,000 acres under flax culture, yielding about \$15 profit per acre, over the expense of cultivation.

Mr. Wilson's lecture is followed by a condensed description of the characteristic and distinctive points of several of the breeds of imported stock. The next subject of importance is the report on farm implements. We have not space for the remarks we should be glad to make on this subject. Yankee inventors must look to their laurels in this matter, or the New Yorkers will bear away the crown. The next report is upon cooking-stoves and furnaces, showing the wide range of observation taken by the Society.

Then we have descriptions of thirty-five new varieties of *Pears*, by a nursery firm at Roehester. We cannot but admire the perseverance of nurssery-men in producing new varieties of this delicious fruit. We have sometimes admired their ingenuity also, in pointing out distinctions where but the shade of a shadow of difference existed. We should be glad to know how many and which among the varieties of pears already produced, are really valuable and worth cultivation. Professor Wilson appears before us again in the next article, and gives us an account of the sugar-beet, and various statistics from Continental Europe relating to the subject.

The salt manufacture is one of great importance in the State of New York. The production has increased in little more than fifty years from 25,000 bushels, to about five-and-a-half millions This business the Agricultural Society has taken under its fostering care.

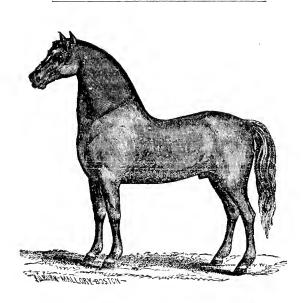
The next article of general interest relates to turer. The statistics of the flax industry which a species of weevil, the Ithycerus Noveboracensis, an insect that has committed extensive rayages upon fruit and forest trees in various parts of the Northern States, from Dr. Fitch, of Salem, N. millions of dollars for the flax and hemp which Y., and Dr. Harris, of Cambridge, Massachushe manufactures, and seven and a half millions setts, with some remarks upon the Palmer worm, by Dr. Harris.

Then comes the account of the annual meeting the supply which she needs, while her demand is of the State Agricultural Society, with the reannually increasing. One million, sixty-eight ports of the several committees. Many of these thousand, six hundred and ninety-three spindles reports are upon subjects of the highest imporare employed in the United Kingdom in spinning tance to the farmer. Several of them were prelinen, and six hundred and forty thousand in pared with great care and labor, and contain facts and suggestions of much interest. An arti-In 1850, Great Britain manufactured 110,-|cle upon the origin, culture and uses of Indian 000,000 yards of linen. In 1852 she exported corn, will amply repay the careful attention, not linen goods to the amount of about \$26,784,355, only of the cultivator, but of every housewife in

year's account.

abstracts of the reports of the several county soci- ety do not consider that there is no more occaeties, and extracts from the addresses delivered at sion for his analytical services. The good which the condition and doings of the several counties in auspices, be carried forward unto perfection. one connected view. We wish we had space to

The Treasurer's account shows that the receipts make copious extracts from several of the county of the Society, for 1853, were \$12,684, and that reports; —but we can only commend them after paying current expenses, premiums, &c., to all who are so fortunate as to obtain the volthey have a balance of \$802,00 to carry to next tume. The only thing which we especially regret in the volume is the absence of the labors of Dr. The remainder of the volume is occupied with Salisbury. We trust the managers of the Socitheir annual meetings, thus bringing before us he has so ably commenced, should, under their



GIFFORD MORGAN COLT, VERMONT.

State Fair at Brattleboro', September, 1854, and of the best of his type without a sort of fascinareceived the first premium of \$15, in the class of tion. Woodbury Morgans, from four to seven years old horses.

He is a very dark chestnut color, and is a de-Peters & Co., Bradford, Orange County, Vt.

breed, are excelled by any other. Their carriage is frequently lofty, and often very graceful. Their temper is docile, so that boys and women may apply the properties of photogra-

This engraving represents the four years old powers of endurance, even as roadsters, almost Gifford Morgan Colt, exhibited at the Vermont beyond belief. We scarcely can look upon one

PHOTOGRAPHIC COUNTERFEITING.

A Cincinnati gentleman writes to the New York scendant of the old Gifford and Green Mountain Tribune, describing the results of some experi-Morgans, and is claimed on the part of his owners to be the most thorough-bred Morgan now living of his age. He is a colt of great action, notes, he says, manufactured in this manner, far and is considered a very characteristic and favor-surpass in the perfection of their details any thing able specimen of the breed, in all particulars, of the kind which has ever been done by the old His last year's colts bear a strong resemblance method of engraving. Every line and every to the old Morgan family. He is owned by J. H. speck is accurately copied, so that when the Peters & Co., Bradford, Orange County Vt. For all uses, the farm, the road-team, or the eye or by the microscope. A number of bills, carriage, we do not believe the Morgans, as a copied in this way by Mr. Fontayne, were pre-

easily manage them when well broken, and their phy, all kinds of ordinary writing or printing

may be copied-checks, notes, autographs or letters. The only safeguard to the public in respect the evening. to bank bills, seems to lie in the fact that bright red, blue or green colors, cannot be imitated by the photographic process, and that bills which are partially printed in these colors, are consequently secure from the possibility of countermethod, may always be detected by wetting them with a solution of corrosive sublimate or of hydriodate of potassium—the liquid immediately cept at Orleans, where it has not been attended turning the photographic picture white. This with much success, owing, perhaps, to inexperitest, however, would prove but a poor safeguard ence. Either rye or barley, however, is profitato the public generally.

Reported for the New England Farmer.

LEGISLATIVE AGRICULTURAL MEETINGS.

The second meeting of the series was held at the State House, on Tuesday evening, 23d inst. There was a good attendance. The meeting was called to order by Mr. Knowles, of Eastham, and Mr. E. W. Bull, of Concord, was invited to oecupy the chair.

Mr. Bull opened the discussion by some remarks upon the cultivation of the small grains. Massachusetts, he said, pays annually \$10,000, 000 for flour. Yet if her soil was properly cultivated, she could sustain a population equal to twice the present; and, in view of the present high price of breadstuffs, the cultivation of the cereal grains is of more than usual importance. Rye, perhaps, is the grain which is, on the whole, best adapted to our sandy soils and dry seasons. He had tried guano in raising it, on a piece of dry, sandy land, which had not been manured for ten years probably, being in grass all the while, of which hardly enough was cut to pay for the trouble. The land was plowed in September to a good depth, and two hundred weight of guano to the acre harrowed in on the furrow, after which five pecks of seed to the acre were sown, which produced a good stand of plants, the season being favorable. The amount of seed was too much, however, for when harvest-time came, the grass-seed sown with it was smothered. In the spring, 50 lbs. additional of guano was sowed on one-half of the acre, while on the other half none was applied. The difference in the His experience confirmed the utility of the prac- wheat was doubtful. tice.

The subject of cereal grains was adopted for

Mr. Knowles, of Eastham, said that formerly rye was not considered to be worth more than half as much as it now commands in the market. At present prices, he considered it as profitable as Bills counterfeited by the photographic any crop our fathers could raise. As to raising wheat, but little has been done on the Cape except at Orleans, where it has not been attended ble. The trouble with rye has been in sowing it broadcast, and not harrowing in deep enough. He thought it would leave the land in as good condition as any crop.

> Mr. Jenkins, of Andover, said, in relation to raising grain alone, he did not know how it could be made profitable in the eastern part of Massachusetts; but thought that, in connection with English grass, it could be made remunerative. It is a mistake to attempt to raise grain and grass together on dry, sandy land. Most farmers in this part of the State have some very wet as well as very dry soils on their farms, and their policy should be to gravel the wet land and manure it well, for the raising of grass, constantly reserving the dry land for grain, which will not need so much manure.

> Mr. Freeman, of Orleans, did not think wheat could be raised profitably on the Cape, even if the land was manured highly, and he believed that was the general opinion there. Although wheat was once raised successfully there, it cannot be done now. There was some property existing in the soil then which it does not possess now. He had seen corn taken off of land and wheat put on, but it would not grow-while grass, following corn in the same way, flourished vigorously, showing that there was something wanting for the wheat. There was no difference in this result between winter and spring wheat.

> The Chairman remarked that Mr. Brown, of Concord, who had raised fine crops of wheat, had made use of lime to the extent of 15 bushels to the aere, sown broadcast, and perhaps to this manure his good crops were attributable.

Mr. Howard, of the Boston Cultivator, said it yield of the two half acres, was only one bushel was formerly supposed that a good deal of lime in favor of the extra manuring, from which he was necessary to secure a good crop of wheat; concluded that manuring beyond 200 lbs. to the but Mr. Emmons, the State geologist of New acre with guano for rye, was not profitable. York, after analyzing the soils of all parts of the One-half of the rye was cut the first week in State, found that the lands of the best wheat-July, and was found to be much whiter and growing counties contained the least lime. In better than the rest, which was cut a week later. Seneca county, at present the greatest wheat In England, it is the practice of farmers to cut county in the State, only one-half per cent. of the their rye as soon as the stem is yellow under the ingredients of the soil is lime. He mentioned eur, and by so doing the flour is much whiter. this to show that the utility of lime for raising

Mr. Bradbury, of Newton, said that in the

ryland, great quantities of lime were used, and it at Marshfield, purchased seven cargoes of lime was considered indispensable. They formerly and applied it to his land; but of its specific efraised large crops of wheat without any manure; feet, he could not speak, although its use was but their lands gave out, and geologists advised discontinued subsequently, and it was thought by the farmers to replenish their lands with lime. farmers in that vicinity that it was of no benefit They did so, and the result was that they ob- to the land. In his opinion, it exhausts the tained as good crops as they ever did. In some land. of these counties there is plenty of limestone, from which the farmers supplied themselves, friend of his purchased a large quantity of lime, while in others there was not; and the good effect and applied it to his land for various crops, but of the lime was so obvious, that the farmers in he could not raise a thing. the non-limestone counties transported limestone from the others to manure their lands. In some fied his statement in regard to the use of lime in parts of Pennsylvania and Maryland, the roads Pennsylvania, where they do not expect much are macadamized with limestone, which, becom- profit until the third and fourth years, by which ing finely pulverized, is blown by the wind upon time the land is restored to its natural strength. the adjoining fields, and it is found that the Besides, farmers there put on vast quantities, land along these roads is fertilized exceedingly by much more than farmers here would think of dothe lime thus thrown upon it. It is the practice ing. among farmers in Cumberland, Dauphin and Mr. Buckminster, of the Ploughman, inquired Franklin counties in Pennsylvania, and in Mary- what use was made of the land for the first two land, to apply 80 bushels of unslacked lime per years, to which Mr. Bradbury responded, that acre once in about seven years, plowing it in after once in four or five years, they put in clover. The it becomes pulverized by the action of the sun farmers there do not calculate on getting grain and rain. They do not expect much from it the from the land more than half of the time. The first or second year, but during the third and lime does not tell till the third and fourth years, fourth they reap the benefit.

Mr. Howard said he did not deny that lime was an essential element of the soil, and con-mers could hardly afford to put on 80 bushels to stituted a part of the food of plants, which should the acre. be supplied with the proper quantity; but he did not think that the state of things in Pennsylvania factured very cheaply there, owing to the abundwas a just criterion for the granite soils of New ance of a poor quality of wood which was not England.

Col. Newell, of Essex, said that wheat did not grow so well in his county now as formerly. He had known 40 bushels to the acre to be raised, but that quantity gradually fell off to 5 or 6 bushels. What the reason was he could not tell. Latterly they had succeeded better; but of this, also, he did not know the cause. He had raised the matter should be considered by farmers. wheat for thirty years, getting all the way from 40 down to 5 bushels to the acre. Had never cheap manure at the cost here, if it would proused lime but once, applying then ten casks to the acre, and harvesting 20 bushels of wheat per acre. The land was laid down with grain to so cheap, under the present system. grass, and he got two large crops from it; but whether it was owing to the lime or not, he could not say. There is something in the land which second, to fit the land for grass. In his early will not produce wheat, while it will yield larger days, barley was an excellent grain to lay down crops of grass than ever before.

wheat in drills, and was answered by Mr. How- uring. It had to be abandoned, however, for ARD, who said that this method was pursued to awhile, owing to a blight caused by an insect; but some extent in New York and Pennsylvania. By latterly it is coming forward again, and is a very it the land could be kept free from weeds, and fair crop for seed and grass. Rye, in Essex counthus promote the growth of the grain.

wheat-growing counties of Pennsylvania and Ma-Mr. Webster, when he first commenced farming

Mr. Jenkins related an instance in which a

Mr. Bradbury remarked that this last case veri-

after which, the land again declines.

Mr. Buckminster thought that at this rate far-

Mr. Bradbury said that the lime was manuprofitable for marketing, and they were not so particular in burning the lime as if it were to be used for building purposes. He had made it himself at a cost of only 5 cents per bushel, and it could be bought for 8. He would not recommend its use here. He simply made a statement of what he had seen and known; but thought

Col. Newell thought that lime would be a duce similar effects on our soils, and last seven years. Farmers here cannot manure their land

Mr. Proctor, of Danvers, said two purposes were to be regarded-first, to raise grain, and land with; it paid well, and he had known 40 Mr. Jenkins inquired in regard to planting bushels per aere to be raised with common manty, is the most profitable crop the farmer can Hon. Seth Sprague, of Duxbury, said that raise, and for eight or ten years he had known it

grain, and this on a rocky, shallow soil. It was on account of drought; Worcester, 25 bushels. done by thorough plowing-9 to 12 inches,-and Wheat-Essex, 12 bushels; Middlesex, 18:liberal application of manure, of home manufac-Worcester, 15; Berkshire, 17; Hampden, 15; ture. The crop of straw often yields \$10 or \$15 Franklin 15. per acre. Of wheat, any man, with good cultiwith good cultivation—the ground well pulverized and manured. He did not believe lands the farm.

not proved a profitable crop in Worcester county. Ten years ago, 50 or 60 bushels of barley per acre were obtained, but of late years, no grains could compare with grass as regards profit. He would like to know if there was any method by which they could secure good grain erops in that county. He thought the rye erop might be made profitable to farmers, on account of the demand for the straw. He did not think lime could be used in Massachusetts. It is a deadly enemy to the manure heap, dissipating the ammonia which it contained, and if used on land in connection with other manures, would produce the same effect.

Col. Newell said that a few years ago, barley died out in Essex county, but last year he raised 50 bushels to an acre, and he thought it was coming round again.

Mr. Jenkins made the same remark in regard to barley, and rye, also. He considered rye the most profitable grain crop which can be raised in the eastern part of the State. He would like to hear this revivification of crops explained. Was it owing to the soils or the atmosphere? He referred to the fine wheat crops of Mr. Poor, alluded to by Mr. Proctor, and remarked that he had seen them. Other farmers in the place had equally good crops, but for the last few years, and since Mr. Poor sold his farm, good crops have not been raised, and the erop seemed to have left them. He wished farmers to try experiments on a small scale with lime and other manures, to see if the small cereal grains could not be raised with a certainty of good crops.

erop one quarter less, on account of drought; the farm.

to yield 35 to 40 bushels to the acre, of fine Middlesex, 15 bushels, \$9,50, crop one-third less

Mr. FAY, of Essex, made some interesting revation, can raise 30 to 40 bushels per acre; this marks in regard to the culture of grain in this had been demonstrated by Mr. Poor, of Andover, country and in England. He thought that the Oats, too, may be cultivated to good advantage; decline in the production of wheat in this State he had known 50 bushels per acre to be raised. was owing to the system of cultivation which had All these grains can be raised advantageously, been pursued. We began by cutting down the forests and raising wheat without manure, until those qualities required by it are exhausted; and could be manured well, except with that made on this system is still being pursued all over the country. In England and Scotland, where he had Mr. Dodge, of Sutton, said that cereals had travelled extensively, the same system was at first pursued, getting large crops at the outset, and then rapidly diminishing. To remedy this evil, they resorted to underdraining, high cultivation, and rotation of crops, and by this means their exhausted lands have been made the finest in England. Lime is there considered an essential ingredient, and it has been applied to all these lands. Our lands can be brought to the same high state of cultivation, by a proper rotation of crops and high manuring, and he was confident that Massachusetts could grow wheat as well as any other State in the Union, when we pursue the right course in this respect. He knew of no better land anywhere for growing wheat than the valley of the Merrimack. Drilling is the only mode of planting grain in England, and almost every other crop is planted in the same way, a machine being used which manures the ground and drops and covers the seed at the same time. The erops are also heed while growing, which adds greatly to the yield. The wheat crop in England and Scotland, is a certainty, on account of systematic cultivation. Mr. Fay thought the great variation in the yield of wheat on the same soil in this country, was owing wholly to a variation in its cultivation. It had not failed in Egypt for 900 years, and need not here if the land is properly cultivated.

After a few remarks from Mr. Proctor in regard to manures, the meeting, at a few minutes past 9 o'clock, adjourned.

Wire Fences.—Charles Cowley, Esq., of Lowell, the Agent of the Manufacturers of Wire Mr. Flint, Secretary of the Board of Agricul-Fences, has prepared a lecture or two on the subture, read some statistics collected by him the ject of fences, which he will deliver upon invitapast year, showing the average crop of certain tion. He has drawings to illustrate his subject, grains in different counties of the State the past and will be able to give some startling facts with Of oats, in Essex, an average of 35 regard to the cost of fences in the State, as well bushels to the acre, at a cost of \$11, not including as to suggest how the object of fencing may be manures. Worcester, 25 bushels, at a cost of effected at a less cost, and with infinitely more \$9. Barley—Essex, 28 bushels, at cost of \$11, beauty and harmony with the natural scenery of

THE VALUE OF APPLES.

In some of the Eastern States, apples are extensively used for feeding and fattening stock in winter; and, while we are setting out orchards question acquires a greater importance since we have been deprived of potatoes, and are unable to find any root-crop which will supply the deficiency. What every farmer needs during winter is some root or fruit, containing a large amount of water or jaice, with positive nutritive qualities, afforded at a low price. Apples, when once planted, cost nothing but the gathering and the interest. They keep well, with slight trouble, during winter; properly planted, they are a very certain crop; the only thing to be decided, therefore, is, are they sufficiently nutritive to render them worth growing for the fattening of stock! Dr. Salisbury, of Albany, N. Y., has studied them with this very point in view; and we abstract the following from his report, which we recommend to the careful study of every farmer:

Per centage of water and dry matter in the

	0 0		0	
	Swaar.	Tolman	Roxbury	Rhode Island
		Sweeting.	Russet.	Greening.
Water	\$4.75	81.52	81.35	82.85
Dry matter	15.25	18.48	18 65	17.15
Ash	0.26			

Mean inorganic analysis of the composition of five varieties of apples (without carbonic acid.)

8:1:	ica. (sand	1)		 		 1.637	
						1.593	
						13.267	
						4.199	
						1.669	
						37.510	
						24.799	
						2.169	
						7.229	
00	ganic mat	der	• • • •	 	• • • • • •	 5.828	
	,		-				

Thus the salts of the apple are, chiefly, potash, soda, bones and plaster—using the common names.

Mean analysis of the organic (or feeding matter) of the apple, compared with the same in the potato; and of 1000 parts of the "Tolman Sweeting."

U	1000 parts	100 lbs.	100 lbs.
	fresh sweeting.		
Celiular Fibre		3. 2.	5. 8
Glutinous matter, I fat	tening3.52	0. 2.	0. 2
Fat an I wax, \ \ su	ostanees		0. 8
Dextrin*			
Sagar and extract	··9.1.95		2.64
Malle acid	2 50		
Albumen,) flesh-form	ingS.97	1. 4.	
Casein, matter	0.59	0.16.	0.45
Water	815.20	82.66.	79.7
Starch, (fattening)	none	none.	9. 9

with that of the potato, it will be noticed: 1. apples. Select your orehard carefully for your That the former contains about 3 per cent. more own use and for sale; and then plant all over of water than the latter. 2. That the dextrine your farm, in fence corners and every vacant spot, and sugar in the apple take the place of the good sweet apples; and even put them in your starch, dextrine and sugar in the potato. The fields, at 40 or 50 feet apart, and set four posts and potato, which go to form fat. In the ag-gregate amount of fat-producing products, the erage, twenty bushels of apples, or forty bushels apple and potato do not materially differ. It each alternate year, is worth \$100 invested at of fat in a given time, or at least to make the Farmers' Companion, Detroit.

same amount in a shorter period, than an equal weight of starch, for this reason, that the two former bodies, although nearly the same in composition with the latter, yet are physically further advanced in organization, and hence, probain the west, it is worthy of consideration whether the advanced in organization of fat. express purpose, independent of any idea of fithis view be taken, then the apple may be reselling an acting the facility selling or eating the fruit ourselves. And this garded equally, if not more rich in fat-producing in nitrogenous compounds than the potato. In albumen the apple is richer than the potato, while in easein the reverse is the case. The aggregate amount of albumen, easein and gluten, in good varieties of the apple, is more than double that of the same bodies in the potato; hence the apple may be regarded as richest in those substances which form muscle, brain, nerve, &c., and build up and sustain the important portions of the body. The difference between sweet and sour apples appears to be, that in the first the fatproducing, and in the other the muscle-forming compounds abound. A sweet apple is superior for a fattening or milking animal; the sour apple for one that is working. But, practically, the difference is greater than the analysis would show; the sweet apple not only contains a larger amount of unformed fat, but the acid of the sour apple tends to destroy or prevent the deposit of fat in an animal; and, as is well known, sour apples will dry up a mileh cow, while sweet ones add to the milk. The money value of apples, compared with potatoes, may be stated somewhat as follows: for fattening, 1000 lbs. of sweet apples are worth about 1050 lbs. of potatoes; for feeding to growing or working stock, 1000 lbs. of good sour apples are equivalent to 2000 lbs. of potatoes; and, in practice, should produce the same effect. So that, in the first case, a farmer would only be justified in paying 25 cents a bushel for apples; in the latter, he might pay 50 cents without losing. (By the word "sour' we mean

any that are not *positively* "sweet.")

According to Dr. Salisbury's analysis, no two varieties are exactly alike in composition or water, the proportions constantly differing. Thus, in six kinds, he found the water to vary from 79 to 86 per cent.; or, in other words, a person buying 100 lbs. of each, got 7 lbs. more pure water in one lot than another; and, consequently, lost to that extent. It were an interesting investigation which are actually the cheapest—the small and hard, or the overgrown and soft apples. We suspect that there is as much nourishment in three-quarters [of a bushel of "Rhode Island Greenings "as in a whole bushel of "Monstrous Pippins."

In conclusion, we call upon such western far-By comparing the composition of the apple mers as expect to remain on their farms, to set out above principles are the main bodies in the apple round them to prevent cattle and plows hurting would be natural, however, to infer that 50 lbs. five per cent.; and by planting orchards, you are of dextrine and sugar would, if taken into the leaving a fortune to your posterity, or adding to system, be more likely to make a greater quantity the value of your farm if you wish to sell it.—

HAS THE MOON AN ATMOSPHERE?

The astronomical world has been a long time in doubt whether the moon has an atmosphere or not, though the most accredited opinion is that it has not, at least, none of sufficient density to conon every hillside and in every valley where rural animal life known to us. The New York Courier announces, on the authority of "one of the most eminent mathematicians and astronomers of the lieved that few men "magnify their office" with world," that the side of the moon nearest this world is sixteen miles higher than the other. therefore, we suppose that the moon has an atmosphere such as ours, it would be of such extreme rarity on the only side exposed to our observation, that for optical effect and animal life it might as well not exist. For mountains upon the earth, none of which are over five miles above the level of the sea, have been ascended to a height at which life could not be supported for any length of time, and still mountains have stretched above the panting traveller. What, then, must be the atmosphere at four times such an elevation. The conclusion seems inevitable that, although the hither side of the moon is uninhabitable for want of an atmosphere, the remote side perceptive faculties, and unusual versatility of may be perfectly adapted to animal life. It is mind, he acquires with ease and rapidity, and at least certain that the mere want of an atmosphere perceptible to us is no longer conclusive as and varied employments. Besides, he is a rigid to the uninhabitableness of the planet that rules the night.—Phil. Ledger.

HON. MARSHALL P. WILDER.

Under the head of "Mercantile Biography," Hunt's Merchants' Magazine for January contains a rapid sketch of the life and various pursuits of the gentleman named above, together with a most life-like portrait. In the Courier we find a condensed notice from the article in the Magazine which we subjoin.

in Boston, for thirty years, and is now of the respectable and well-known firm of Parker, Wilder & Co., 5 Pearl Street. Mr. Wilder is a Director in the Hamilton Bank, the National Insurance euil Hall, occasions which congregated the elite Company, the New England Life Insurance Com- of city and country, and which will long be repany, and other like institutions—in the first two membered for their luxurious entertainments, and of which he has held office for more than twenty for their soul-stirring speeches from Webster, years. Although trade has been his chief business, and to which he has made all other pursuits subordinate, yet by a rigid economy of time, and companied its resolutions of thanks with a silver a strict adherence to system, he has been enabled service, as a substantial testimonial of its gratito contribute extensively for the promotion of the tude for his valuable labors. agriculture and horticulture of our country. At the present time he holds the offices of President convention of delegates from local agricultural of the United States Agricultural Society, of the in the State to meet them in the State House, in American Pomological Society, and of the Norfolk Boston, and of that body he was chosen presi-Agricultural Society. He is also a member of the dent. This, with the preceding action, led to the State Board of Agriculture, and was eight years creation of a permanent Board of Agriculture by President of the Massachusetts Horticultural So-ciety. He has filled other important offices, both civil and military; has been President of the to the system of common instruction—having its Senate, and member of the Executive Council. own laws and secretary, and constituting a co-or-Few men have done so much for the cause of rural dinate branch of State government. improvement, and to elevate the profession of the Board, Mr. Wilder has been a member from the farmer. Well does his biographer remark: "His beginning, and has taken a prominent part in all valuable services in the cause of agriculture and its deliberations and actions. It has a depart-of horticulture have made him extensively known ment in the capitol, with a secretary who superon both sides of the Atlantic, especially to the intends the farm connected with the State Reform

yeomanry of the United State. His virtues have a practical existence, benefiting and ennobling the whole community; and his name will fill a page in history that will suffer no detriment by the taste and refinement are found."

We know Col. Wilder well, and have long bemore untiring fidelity, or with more practical benefit to the world. His labors, aside from his legitimate pursuits, as a horticulturist, and in fact every kind of culture of the earth, have been constant and earnest, and have promoted the cause in many ways. We have room at present for only a few of the paragraphs of the very interesting biography.

"A more familiar acquaintance with Mr. Wilder's natural endowments and private habits, discloses the manner in which he has been enabled to make so extensive attainments, and to pursue objects so various. Blessed by nature with quick readily applies his acquisitions to his numerous economist of time, a close adherent to system. Every hour has its appropriate business, which is attended to in its appointed season. In the evening and at early dawn, he is in his well-selected and valuable library, either investigating subjects which the labors and scenes of the past day have suggested, or planning the business of the approaching day.

"In 1840, he was elected President of the Massachusetts Horticultural Society, an office which he filled with honor to himself and that association for eight years. During his administration, it greatly increased in the number of its members, in its resources, usefulness and respect-"Mr. Wilder has been a successful merchant ability. It erected its beautiful hall in School Street, at the laying of the corner-stone, and the dedication of which he delivered appropriate speeches. It held two triennial festivals in Fan-Everett, and other chief masters of eloquence. When he retired from the office, the society ac-

"In 1851, Mr. Wilder, with others, called a

powerful influence upon the agriculture of the meal."
Commonwealth, and promises to do still more for its advancement.

EXTRACTS AND REPLIES.

A FINE APPLE.

I send you a sample of sweet apples raised by me, for a name. Our pomologists do not know the fruit, and I think it is too good to be nameless. It resembles in a good degree, Downing's "Ladies' Sweeting," but is not identical. It has long been a desideratum with us to obtain a firstrate winter sweeting, and this is the best we have found. It is a great bearer and keeps well.

Yours truly, Geo. A. Chamberlain. Worcester, Dec., 1854.

Remarks.—This apple, like the Ladies' Sweeting, has a pleasant perfume, and fine, sprightly flavor. The skin is a beautiful red, but has not length, to the work on Concrete Houses. the yellowish-gray dots of the former. We submitted the specimens sent, to two or three good judges, who could not recognize it, and while looking at them a gentleman on his way to the Horticultural Rooms brought in a basket of apples for our examination, which proved identical with yours. They were then presented at the Rooms, but could not be named.

The apple is not only attractive in its appearance, but is of fine texture and flavor, and with the other good qualities given it by Mr. Chamberlain, will prove a valuable variety.

COWS GNAWING BONES.

I have a cow, the moment she is turned out is in search of a bone, and if she finds one, will stand and chew it for hours; a year or two ago, I read something about it, but I have forgotten what it was. Will you or some of your correspondents please inform me. WM. DURANT. Leominster, 1855.

as finely as possible, and feed to your cow; or ett's Fine Red are very handsome. purchase a bag of bone-dust, and feed a little of that to her, and when she is turned to pasture she will give her attention to the grass rather than to the "old bone." Bone-dust is sold at the agricultural warehouses, in bags, for 75 cents for about 25 lbs. of the dust. Every farmer should have it.

Dear Sir:—The information contained in the items below, is so curious, that I cut the slips from an English newspaper, given to me to read the Science of Life." It will be found exceedingly to-day, by an Englishman who works on my convenient to every housewife who does not know farm, and send them to you, supposing you may like to put them in a corner of your paper. Wishing you a happy new year, your friend,

Washington, D. C., 1855.

ducks is £40,000. One man has had 1000 to "Mexican Phosphatic Guano."

School in Westborough, exerts a salutary and 2000 ducks, and paid £50 at a time for barley

"The Agricultural Society of Clermont, in the department of the Oise, has recommended the use of that agricultural nuisance, couch-grass, as a substitute for malt in the making of beer."

THE BARLEY CROP.

C. S., South Hawley, Franklin County, urges upon the farmer the importance of giving more attention to the barley crop; says that barley flour makes good bread, and that it may take the place of wheat flour with advantage to health as well as the purse, when the latter is selling at \$12 per barrel.

CONCRETE HOUSES.

We have already referred, at considerable

CHEAP FENCES.

Mr. Editor:—I wish the writer on cheap fence would be more explicit; state how long the stakes must be soaked, and how many can be prepared in a certain quantity of the prepara-ALPHEUS FLETCHER.

Shelburn, 1855.

YOUNG CATTLE'S HORNS.

I would inquire of you, or some of the numerous readers of the New England Farmer, if the shape of steers, or any young cattle's horns, can be altered, and the best time and process of doing

Winchendon, Jan. 8, 1855.

Remarks.—Will some of our experienced friends

From N. P. M., Somerville.—The apple you sent in, if now in its season, would be hardly worthy of cultivation among the excellent vari-Remarks.—By reference to former volumes of cties we already possess. The flesh is soft and the Monthly Farmer, you will find the cause of dry, and though not remarkably acid, yet with this pretty fully discussed. Pound a few bones a vinegar tinge, that is not agreeable. The Jew-

> The Skilful Housewife's Book.—This is another of Saxton's books, containing 659 Receipts, pertaining to Household Duties, the Care of Health, Gardening, Flowers, Birds, Education of Children, &c. The work was compiled by Mrs. L. G. Abell, and as the Publisher's preface says, " is the production of a highly-gifted and disciplined mind," and " teaches in the broadest sense, the Science of Life." It will be found exceedingly

Mexican Guano.—The reader is referred to an "Around Aylesbury the annual return for advertisement in another column relating to

HINTS FOR TEACHERS.

instruction while they are engaged in the em-came; but when Charlie looked for his clothes, cantile affairs, and do a day's work in the school-saw what had happened, and making his little mind to unbend, after the mental labor and per- out first his coat and then all the rest in succesplexities of the day are over. One-half and perhaps two-thirds of the teachers need to spend several hours when out of school, in looking over dog had had. His mother told him that he did the lessons that are next to come up in the class-very wrong in going across the river as he had es, that they may have everything familiar, and done, and that he should thank God for making bring up questions not in the books, that will the dog take him over and back again safely; for unfold the various principles of the sciences.

a glass of liquor. In the same connection it may thanked God; then, getting up again, he threw be said that while social visits may be made and with parties that make them, yet those that are you, too, dear doggie, for not letting me go.' for mere amusement should be avoided, if they would maintain proper dignity. Allusion is here pier.'' made to those in which there are what are called "plays," and also the amusement of dancing. but especially it should be avoided while teaching persons of advanced age, who are in the daily use Of this last we do not think well at any time, or attending school. An evening spent in the dancing hall, with the heat and fatigue of the mind, renders one altogether unfit for much effort with books the ensuing day. And if teachers dance with their pupils, they let themselves down so as to lose the respect of the wise and dis-young, the sick and the well. And as for sour

Some who attend school may carry things with them that do not belong there. Among these may be named pocket-knives for the purpose of swapping with their companions. Newspapers noon or after school in the afternoon; a pack of those that have them show the least obstinacy they must be disciplined, and if necessary the superintending committee must be called on to remove them from the school.

The proper business of the school is important. There is a prize to be gained more valuable than a mine of silver or gold. There is a treasure to be secured that may be of infinite worth here and hereafter. Let nothing be brought in the way of attaining the prize and the treasure .- Exeter News-Letter.

BEAUTIFUL INCIDENT.

[A correspondent of the Preston (England) Chronicle gives the following anecdote:]

"A good while ago a boy named Charlie had a large dog which was very fond of the water, and friends as one of the most useful inventions of the in hot weather he used to swim across the river near which the boy lived. One day the thought struck him that it would be fine fun to make the and, then, holding hard by the dog's neck and will do well to examine it.

the bit of string, he went into the water, and the The main and almost undivided attention of dog pulled him across. After playing about on teachers should be given to the business of giving the other side some time, they returned, as they ployment. They cannot do a day's work, nor he could find nothing but his shoes. The wind half a day's work in some manual labor or mer- had blown all the rest into the water. The dog room at the same time. They may work a little master let go the string, by making believe to when out of school for exercise, and to allow the bite him, he dashed into the river, and brought if the dog had made him let go in the river he It is not consistent for teachers to spend their would most likely have been drowned. Little evenings with loafers at shops and in bar-rooms. Charlie said, 'Shall I thank God now, mamma?' We have known a few to do so, and even to take and then he kneeled at his mother's knee and

> Milk in Bread.—I have more objections than one to milk in bread, but the most serious is, that of milk-made bread, will be expected to suffer Bread should always be made with water, and when so made it is suitable for the aged and the milk, a microscopic view would, I presume, present additional arguments against its use. - Water Cure Journal.

WHAT A MOWING-MACHINE CAN DO. — The Springfield Republican states that Captain Samuel and pamphlets of light reading. Books that are Parsons, of Northampton, cut, made, and put tales of fiction. A gun to hunt in the woods at into his barns, sixty-two loads of hay during the first week in July, commencing on the 3d, besides the kind are brought to the school-house, teachers mowing for others to the amount of \$40 in the should see that they are removed at once. If what would be was accomplished with what would be equivalent to the labor of one man for thirty-eight days. He moved in one day, and in less than nine hours, eleven acres, producing from two to two and a half tons per acre.

> THAXTER'S ROTARY CALENDAR. — A neat, convenient and useful article for the library-table or store-desk, has recently appeared for sale at the stationers in this city, which combines a waferstand, pen-rack and rotary calendar, which gives the month and the date of each day of the week. They are neatly japanned and bronzed, and make a tasteful ornament. They are manufacture 1 and sold at No. 78 Commercial Street. We would recommend them to our literary and mercantile

Readers will please notice the advertisedog carry him across the river, so he tied a string ment of Hiram Blackmer, in this number. Mato the dog's collar, and ran down with him to the comber's Hay-cutter possesses qualities which are water's edge, where he took off all his clothes; claimed by no other machine, and purchasers



AGRICULTURE AND ITS KINDRED

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NO. 3.

JOEL NOURSE, PROPRIETOR.

SIMON BROWN, EDITOR.

FRED'K HOLBROOK,

CALENDAR FOR MARCH.

The weather now begins to be warmer, but we have sometimes very cold, frosty days, and the bare trees and flowerless fields still appear winterly, while hasty showers of snow fall and giver the dry herbage or flocks who have been allowed to ramble in the pastures.

ARCH is a much-abused month. People grumble, and vent their spleen upon it, as though its flurries of snow, its roaring winds, its sharp frosts and swollen streams, had nothing else to do but plague them, - when, poor souls, March would blow and snow, and freeze and thaw, just as she pleased, if there were no such grumblers in existence! March has her duties to perform,

> as well as June or September, and we could as well spare one as either of the others; and though, like the frolics of the bear with her cubs, they may seem to lack something of gentleness and affection, they are kind-

ly intended, and will answer their purpose very well, after all. So you that sit over the fires, and only peep through the panes at March, had better seek comfort in studying out her ways, and thus make her the shortest and most agreeable month in the year. And you need not escape to the city to do this, for there are even now rural sights and rural sounds, which have much to to be sown, and for the flowers, shrubs, currants, charm the eye and please the car; and what are gooseberries, strawberries, trees, &c. This arglittering shops, and passing crowds, and dusty rangement requires a consideration which you streets, and gloomy walls, to these! And then cannot afford to give it when the season has apthe winds, notwithstanding all we have said proached for the work to be done, and the sun against them, are far from being virtueless; for has warmed the earth for the reception of the they come careering over the fields, and roads, seed. Finish this during the evenings or stormy and pathways, and while they dry up the damps days in March. that the thaws had let loose, and the previous | Manures .- While the surface is frozen and the frosts had prevented from sinking into the earth, teams can go over the fields without cutting in, 'pipe to the spirit ditties' the words of which it is well to haul out the bulk of the manure and tell tales of the forthcoming flowers."

The sap is alive in the seemingly sleeping trunks that everywhere surround us, and is beginning to mount slowly to its destination; and the embryo blooms are almost visibly struggling towards light and life, beneath their rough, unpromising outer coats-unpromising to the idle, the unthinking, and the inobservant; but to the eye that "can see Othello's visage in his mind, bright and beautiful, in virtue of the brightness and the beauty that they cover, but not conceal." Some of the birds, too, have come, and now and then a erocus, yellow, blue, striped, or white, peeps up in the clear sunshine, just to tell us what we may expect by and by.

March is not friendly to the bronchitis or lumbago,—but to the saturated fields, the trees. and indeed all the farmer's interests. We cannot spare it yet, and those who do not like it must find some engrossing occupation in-doors, until it blows itself out and makes way for its scarcely less fickle sister, April.

"Now shifting gales with milder influence blow, Cloud o'er the skies, and melt the falling snow; The softened earth with fertile moisture teems, And, freed from icy bonds, down rush the swelling streams."

Now let us see what some of the particular things are to be done in March-and first, the

GARDEN ARRANGEMENTS .- No better thing can be done in March than to determine what garden work you will do in April and May. Make all the arrangements for beds, for the various seeds

place it in compact piles near where it will be

planting.

ground, too wet for the plow, but which will as he reached the gate of his master's residence. yield good crops of hay by an occasional dressing. If top-dressing is applied to high lands at all, it should be late in autumn, so that the rains or CULTURE OF WILLOWS FOR OSIERS. melting snows shall thoroughly wash it into the soil.

FARM TOOLS.—Are the plows in order? Is that lost hinge on the harrow replaced? Are the willow contains statements, which, I fear, may yokes, chains, carts, collars, hames, and harnesses sound and whole, so that a bright day shall not be lost in repairing them in planting time?

be likely to get it even.

FIREWOOD—Split fine and housed at once, will be best, if a current of air passes through it after being under cover.

LIVE STOCK .- Working oxen that are wellmust be turned to pasture in thrifty condition.

delicions article, and understand the modus operandi better than we do; but that is no good reaproaching season, and drop a hint that they may profitable. not forget us during their harvest!

Pruning Apple Trees.—Again we caution the

The sun now runs high—the soil will soon be warm, and invite us again to the delightful laplanted a garden; that it is the purest of human an average rate. you have not already.

relates the following dog story—showing that re-markable brutes, as well as wonderful men, some-I hope some of our careful purposes:

dog; the little daughter, being very anxions to twenty per cent. to protect the grower. possess a set of furs, the other day commenced

wanted in planting time. This enables us to teasing her mother very carnestly to procure her give more time to plowing, sowing and trans-some. While doing so, the sagacious dog stood near, eyeing them very intently, apparently unanting.

Top-Dressing.—Our inquiries on this matter Watching an opportunity, he left the house soon have been extended to many of the best farmers after, and made his way directly to one of our fur of New England, and from experience and what stores, and seizing one of these articles, which we gather from them, we cannot recommend this was displayed at the door for sale, he made off mode of manuring, only in eases of reclaimed low with it. He directed his course homeward, and being pursued, the fur was taken from him just

For the New England Farmer.

Mr. Editor:—In the last number of the Farmer, a communication from a Hingham correspondent on the subject of cultivation of basket mislead some of those who are trying to gather in-

formation on the subject.

Your correspondent says he cut his willow in November, and the impression naturally conveyed CLOVER SEED .— Sow during the month, five or is that this is the proper time to cut them for bassix pounds to the aere—if on the snow you will ket work; but, as the bark adheres firmly at that time, he must have had some other purposes in view. He also tells your readers that his product was at the rate of nearly nine tons to the acre, and a person who read the communication carelessly, might suppose that something like this weight may be depended on as a crop when ready tended now, will be far more serviceable for the for the market, but in the account given, the spring work than those that we neglected as if osiers must have been weighed in a green state spring-work, than those that are neglected; so if and with the bark on them, as the growth of an good butter cows are desired in the summer, they acre which produces three tons of osiers in a fit ust be turned to pasture in thrifty condition. state for the market (that is, peeled, dried and Marle Sugar.—Many of our readers make this tied in small bundles) is considered very satisfactory, and is more than an average crop. With no more labor in the cultivation than running a cultivator between the rows, two tons to two son why we should not remind them of the ap-|and a half tons can be raised, and it is then very

The present price of French willow is one hundred and twenty dollars per ton, and the Belgian willow, which is sold by the bundle, would, if cultivator against pruning apple trees in March weighed, cost one hundred and thirty-five dollars or April—they are the two months the most unsuitable of the whole twelve.

The sun now runs high—the soil will soon be alone, having several hundreds of acres) it is mostly consumed at home. The price of French willow has been as high as one hundred and sixty bors of spring, and especially the Garden; for dollars per ton, and the Belgian still higher, withwe believe with Bacon, that "God Almighty first in the last eight months, but the present is about

There has been none imported into this city for pleasures; it is the greatest refreshment to the about two years, the trade being kept in the spirits of man, without which buildings and pa- hands of a few importers in New York, where laces are but gross handyworks." Be resolved, the supply for the manufacturers in Boston and then, to commence a garden with some system, if vicinity has to be obtained. As there is no separate account kept at the custom houses of the quantity of osiers imported annually, it is difficult to get at the amount with any degree of ac-A DISHONEST Dog.—The Fall River Monitor enracy, but it is variously stated at one and a

I hope some of our careful farmers will give times apply their superior talents to the worst of the matter a fair trial, as we ought not to send money to Europe to pay for what we can profita-"A family residing in the southern part of the bly raise at home, and we have in this a special city, are the owners of a large and faithful watch encouragement in the fact of the existing duty of

Respectfully yours,

For the New England Farmer.

WHY FARMING IS DESPISED.

ing, if not the most lucrative, is certainly the stay at home,—if their parents are able to supmost natural, and the most conducive to health. port them—dress finely, and sigh over sickly The farmer therefore, ought to be, and is, as a novels until they are married, or, as soon as they general thing, the happiest of men; but, when-ever this is not the case, the fault is not in his school, and, after a time, come back and affect to business, but in the farmer himself. Notwith-despise everybody except those who have plenty of standing these two great considerations—health money and but little to do. Young men are and happiness—there are many, very many, aware of this, and, to please or win their sweet-throughout the community, who look upon farm-hearts, seek some employment which they (the ing with a sort of contempt—fit only to engage sweethearts) think is not degrading. I believe it the attention of the lowest class of people. Essex would not be far from the truth to say, that this pecially is this true of the younger portion of the is as strong, if not a stronger reason than any community—young men and young women.

Now my object in writing this article is to suits than farming

pendence, simply by farming; but these are ex- and contented man. ceptions to the general rule—there being but of California.

2. There is a seemingly natural, innate (?) re- some to the lone blue sea. pugnance—common to almost every individual come by all who are obliged to work for a living, ing they loath it, and seek other employments. or else it will ever be a source of unhappiness to them. Many rather than do this, and thinking human nature,) the principal reasons why farm-the farmer has the hardest of work to perform, ing is despised. (which is a mistaken notion) engage in some othcome, or remained, farmers.

learn that which above all things a woman should learn—the art of housekeeping. There are, it is true, many exceptions to this rule, but the excep-Mr. Editor:—Of all occupations, that of farm-tion should be the rule in this case. Girls either other why so many young men turn to other pur-

mention some things which appear to be the rea- 4. Many are ambitious to have their names ensons why this wrong state of feeling exists. If rolled upon the book of fame—to obtain the honthey are not the *true* reasons, perhaps they may ors and applianse of men; and leaving, or sparn-be the means of calling forth those that *are* true, ing the humble occupation of the farmer, fix their from you, or some of the readers of your valuable attention upon some pursuit which they think is better calculated to satisfy their desires than 1. There is too great a desire to become rich-farming. But, ambition, although a motive to gain riches rapidly, and with as little labor as which has prompted men to perform many great possible. Now it is known that the farming and noble actions, yet is a feeling or desire which business is not very favorable to those desires, especially the last mentioned. It is true that there always sees some seeming good beyond his reach are some who have by industry, knowledge, and which he imagines it is necessary to his happiness the strictist economy, managed to gain an inde-to obtain; he cannot, therefore, be a truly happy

5. Most young men are fond of excitement, adfew farmers, comparatively, who have become venture, and of seeing and knowing what is going rich by that means and no other. And so, many, on in the world personally. The farmer's life, to thinking to obtain riches fast, and much, (but them, appears dull and insipid—they must be how often are their hopes blasted!) flock to the where there is more noise and bustle than can be counting-room, the office of the lawyer and doe-heard and seen upon the farm. And to gratify tor, become speculators, or go to the golden fields these desires, many of them go to the large towns and cities, the railroads, the pedlar's cart, and

6. Some farmers make such wretched work of to daily manual labor. [All the result of educa- farming, and take so little pains to instruct their tion .- ED.] Now this repugnance must be over- sons in this most useful art, that it is not surpris-

If these are not all, they are (if I rightly read

A few facts in favor of farming, and I have er business, in which they imagine they can enjoy done. Everybody knows that the farmer must more case and exemption from labor. And this work hard, and manage his affairs very shrewdly, object is sometimes attained; but how frequently to gain much besides a good living for himself and at the expense of their health, or happiness, or family; he must be content to acquire property both, for they are very intimately connected. It slowly, but surely. But he has these advantages would not be desirable, nor is it possible for all to over many of a different pursuit:—if he is a true be farmers; but it seems to me that there are farmer, there is little danger of his becoming many speculators, merchants and professors, who bankrupt, and thus robbing his fellow-men of would have been better off themselves, and a their just dues, as some do; he has health; is greater blessing upon the world, if they had be comparatively free from distressing cares, and bitter disappointments; he is surrounded by the 3. It is well known what an influence young beautiful works of God in nature—the trees, ladies have upon the thoughts, actions, and desti-grass and flowers, the singing of birds, the pure nies of young men. What they think is honoral air of heaven, the changing seasons, and all the ble or desirable, young men are inclined to believe sublime and glorious scenes which nature some-is so, and vice versa. We will say to the lasting times displays to her wondering children. He praise of the gentler sex, that their influence is has time to observe, think, read and reflect; and, nearly always upon the right side, but not invalif he is a man of taste, can generally find means riably so. Many young ladies have somehow got to gratify it—especially a taste for the beauties the notion into their heads that labor, and cs-of nature. He enjoys a sort of independence which pecially house and farm labor, is degrading; and other men do not. He does not have to wait to put their notion into practice, they neglect to until the best years of his life are spent in ac-

quiring a fortune, before he begins to enjoy him- meal, than they do from corn meal alone. In s. If, but enjoys the good of his labor as he goes fowls of this class there is an apparatus analogous along. Let us hear what Sir Humphrey Davy, to animals that chew the cud. the great chemist of London, says of farming and the farmer :-

caltivation dependent on scientific principles.

"The knowledge of the composition of soils," of the food of vegetables, of the mode in which is not good provender for horses and hogs, but their products must be treated, so as to become that they do not derive so much benefit from fit for the nourishment of animals, is essential to pound for pound, or bushel for bushel, as oxen, the cultivation of land; and his exertions are cows, &c., do.—Maine Farmer. profitable and useful to society, in proportion as; he is more of a chemical professor. Since, indeed, this truth has been understood, and since the importance of agriculture has been generally felt, the character of the agriculturist has become more dignified, and more refined; no longer a agance of farmers, as well as others of the prosand to reason. He is aware of his usefulness to his fellow-man, and he has become at once the friend of Nature and the friend of society."

There is—and it is a good omen for the future prosperity of our country—an increasing interest from the soil, and we should be glad to see them throughout our land, in the science of agriculture. Wonderful improvements have been made many of the luxuries of life. But every man's upon almost every farming implement, and some murse has a bottom to it, and the great problem entirely new ones invented; so that the manual purse has a bottom to it, and the great problem part of the labor upon the farm is much easier than formerly. And what is of more importance,

farmer.

All true lovers of their country cannot but hope that this interest, of which I have spoken, young—as the morehant, physician, lawyer, or any of the learned professions.

Yours truly, Groton, Jan. 4, 1855. S. L. WIHTE.

CORN AND COB MEAL

The grinding of corn and cobs together, which we have heard ridiculed very much by some, formerly, has now become an every day occurrence, farmers being convinced that the cob contains too small, than a large house.

much nutriment to be thrown away.

Our experience heretofore in regard to its use a most excellent provender, but for those that do not it is not so valuable. Thus, for oxen, cows and sheep, it is a capital feed. These animals, after what they swallow in the warm vat, called the first stomach or paunch, have the faculty of throwing it up again in small portions called cud, and chewing it over in a leisurely manner until it is ground very fine, and then after being thus thoroughly mingled with the saliva, swallowing it again into another stomach, where all its nutritive matter is extracted by the proper organs ereated for that purpose.

The horse and the hog having no such organs to re-chew, do not derive so much benefit from the ground cob, as the animals above named.

Hens derive more benefit from corn and cob urge upon our friends the importance of increas-

First they take dry food into their crops, here it becomes soaked as if it were in a warm vat, · Agriculture, to which we owe our means of from this it passes into the gizzard, which, fursubsiscance, is an art intimately connected with nished with gravel stones, acts the part of grindchemical science; for although the common soil ing fine, by aid of the strong muscles of that or-of the earth will produce vegetable food, yet it gan, whatever passes into it. Here, the particles can only be made to produce it in the greatest of the cob meal, thoroughly pulverized and minquantity, and of the best quality, by in thods of gled with the gastrie juices, become dissolved, and form nutrition for the body.

We do not mean to say that corn and cob meal

A SHORT LECTURE ON EXTRAVA-GANCE.

We spoke (in a former article) of the extravmere machine of labor, he has learned to think perous classes, in the structure and furniture of their houses. We know of no class in the community, who better deserve all the real comforts of life, than those who fairly win their support surrounded, not only with the necessaries, but is, how to expend what we can devote to our own comfort, and that of our families, so as to get the kindred sciences are lending invaluable aid to the best return for our money. Many a man can advise his neighbor how to live, who cannot see his own way clear, or if he does see it, cannot follow will continue to increase until the farmer shall it. We have advised, and our advice is especialstand as high in the estimation of all,—old and by adapted to young men, to live in a small house plainly furnished, because the small house costs less than a large one, and requires less furniture, and less labor to keep it in order, and because it is truly respectable, as well as comfortable, to live within your means. We might have added another consideration—that aside from the labor of keeping the house itself in order, the household work, generally, is much more easily done in a

 Λ lady now residing in a city, in a large house with three servants, recently remarked, when is this: for those animals that chew the cud it is speaking on this subject, that when she lived in New Hampshire, in a one-story cottage, with but two rooms and an attie, and did all her own work, including the cooking for her family, and ate in the kitchen, her task was less wearisome than that of merely directing her present establishment. No doubt this is literally true, and no doubt there are many families in every village in Massachusetts and New Hampshiee, whose indoor labor is increased nearly two-fold, by endeavoring to keep up a style beyond their means.

But while we would discourage this foolish sacrifice to public opinion or fashion, we would

ram, which is worth, for the purpose, more than enumerate to you, when you are ready to proall the oxen in the county. This little machine, cure them. where a large reservoir receives it, from which the leisure for intellectual culture. waste water is conducted under ground, to supply a large stock of cattle in the barn-yard. There are many places where water may thus be brought to our buildings, many where it may be brought in common aqueducts, or pumped up by wind-ant in a regiment quartered in Georgia, of which mills, both for ordinary uses, and for irrigation, country he was afterwards many years Governorin seasons of drought. We hardly know of any General. No officer in the Russian army posparticular in which true comfort and economy sessed the same talents and acquirements; his camay better be promoted, than in availing our-pabilities as a linguist were great, extending to selves of modern inventions in raising and con-inferentianguages, many or the duties of his producting water.

we would encourage a liberal outlay for such con- or the out; nor did he care whether their cars veniences as lessen human toil. It has been well imperial orderly book at St. Petersburg; more and beautifully said, that "They are the heroes over, he had opinions of his own not exactly in of the race, who abridge the time of human toil, accordance with those of his master. A few and multiply its results." Their place is high years ago, his division was ordered to one of the above those who command armies. They are the state, its appearance did not meet with the approbation of the Emperor, who had scarce glanced England. We have here no servants, and want bis eye along the line, when he ordered Mouraivieff no servile class. Let us adapt our habits of life to the rear, exclaiming aloud, "Bul, bad! what to the republican theory of society, and so arrange our houses and affairs, that all our labor presence, "What means this, sir!" demanded may be seasonably performed, independent, as far the Emperor. No answer, "What treats do as practicable, of assistance outside our own fam- you call these, sir "Still no answer. "Do you ilies. The family which can perform its own la-know who is speaking to you, sir!" The general bor, without and within, unaided by others, has raised his hand slowly to his cap, but renained reached a point of independence, which they can Listent: the policy, lowever, of Niebelas, gained the ascendant over his ungoverned to an ever attain, who depend on hived help.

ing the conveniences of the household. We know Many attempt this independence, but in the of a farm—and perhaps we may as well mention wrong way. Having commenced in a large or init by name-where all the water, for years, convenient house, they attempt to perform all probably a half century, used for washing, was the labor, which is beyond their strength, and the hauled from a spring in a eask, with a yoke of wife and mother is soon prostrate by ill-health, oxen and a drag, a distance of about a quarter pain, over-exertion, and care. Adapt your load of a mile. We allude to the beautiful residence to the strength of the team, at the start, and do of Joseph L. Cilley, Esq., of Exeter, N. H., not try to drag a double freight through life. formerly that of Hon. Jereman Smith. Rain especially of useless lumber. There are a thouswater cisterns were tried, but the buildings from and little conveniences, of infinite importance in which the water came, were surrounded by trees, every dwelling, which are too often neglected, the leaves of which filled up the conductors and because the money has all been spent for the house spoiled the water. So for years, every Monday and parlor furniture. Among those, most promthe team and man were employed to hard the sap-linent, perhaps, are the appliances for warming, ply from the spring, up a troublesome hill. But and supplying with water. Then follow conventhe present proprietor taking advantage of one of ient milk rooms and store rooms, bathing-rooms, the most interesting inventions of modern times, cooking apparatus, washing, drying, and ironhas creeted a small dam, so as to raise a little ing places and implements, and the hundred little pond by the same old spring, put in a hydraulic articles of kitchen utensils, which your wife will

which costs but a trifling sum in itself, besides A New England farm should be a little repubthe pipes which convey the water, throws a por-lie of itself, where every citizen should take his tion of the water, by its own action, to any de-[share of the burden, and everything be arranged sired height, keeping up an unceasing motion, like so that intelligent, educated labor should be able the pulsation of the human heart, day and night, to manifest its superiority over mere brute force, until the machine is worn out. The water is thus and where display and fashion should yield at thrown into the kitchen of Mr. Cilley's house, lonce, to the demands of rational beings, for some

HOW RUSSIA TREATS HER ELST GENERALS.

Mouraivieff commenced his career as a lieutenthirteen languages, many of them Eastern. Though fession, he never, like the martinet of Warsaw— While we would discourage expenditure for the late Grand Duke Constantine—examined that which merely gratifies a taste for display, whether the men's gloves were sewn on the inside Tver, refusing either reconciliation or employ- er three. The calves, butter, and buttermilk of ment. Vermoloff, in consequence of some caprice these last amounted to \$44,06 per cow. of the Emperor's, or the intrigues of those about him, was also shelved.—Jesse's Russia and the breed, and kept in the common way of keeping in

CHLOROFORM FOR DOMESTIC ANIMALS.

The last report of the Commissioner of Patents contains a very interesting article from the pen of Dr. Jackson, of Boston, Mass., (who first discovered, thirteen years since, the paralization of the nerves of sensation by inhaling ether,) on the use of ether with chloroform for domestic animore serviceable to man. Among these opera-

part of chloroform and four of other are mixed in tition of articles, however short, in the same numrates. The animal breathes it freely, and "soon falls down gently into a deep sleep of insensibility and unconsciousness," and becomes entirely passive to any operation that may be performed.

Dr. Jackson regards the use of pure chloroform as dangerous, and recommends its mixture with other for animals, as better than ether alone on account of its greater power and concentra-tion. The mixed vapors also act more kindly, on account of the slightly stimulating property of the ether overcoming the deadly sedative effect of the pure chloroform. Dr. Jackson remarks that he has never known a single fatal accident from the administration of the yapor, nor of this mixture, provided air was also admitted into the lungs mingled with the vapor, so as to sustain the functions of life as required for respiration. This remark, we understand, he applies to its effeets on the human system, in which his practice has been most extensive.

Animals that have considerable sensible perspiration, will bear large doses without any danger; such are the bull, horse, &c., while a cat may be readily killed by a full dose of chloroform, and it should be very cautiously administered to the dog. Ether, alone, mixed with air, is considered as perfectly safe.—Country Gentle-

Profit of Cows.—At a meeting of the Farmers' Club, of the town of Bedford, N. Y., December 29, 1854, the subject of discussion being the relative profits of butter-making and milkselling, the following was presented by a member of the club:

the next day Mouraivieff received an invitation to butter, and buttermilk for pigs, amounted to \$46, dinner; but the insult had been too public; he 75 per cow. In 1854, I kept eight cows and two declined the honor, and retired to his estate near heiters in first time; one, two years old, the oth-

> "My cowsare common natives, of no particular this town, for butter-making; but much inferior to those kept for milk only. With good, firstrate keeping, as is the custom with some where they sell their milk, I think my cows will bring me in \$60 each."—American Agriculturist.

> > For the New England Farmer.

CRITICISMS.

Messes. Epitors: - I think it would better suit mals, for facilitating surgical operations, either the majority of farmers if the articles, good in for the cure of diseases, or for rendering them themselves, were published at a proper season. If you refer to the different numbers of the tions he mentions the removal of tumors, the ap-last year, you will observe that many letters in plication of actual cautery, castration, &c., and relation to the best mode of planting or sowing, also states that very refactory horses had been have appeared one or two months after planting made to submit to shoeing, and soon learn to subtime; those on the best mode of cutting or curing mit afterwards without a repetition of the ether. hay, have appeared perhaps after everybody had. The ether and chloroform mixture is adminisfinished haying; in fact, that articles, interesting tered with great facility, by attaching to the nose of the animal, a muzzle or basket, (fastened to months later. The space, too, occupied by rethe head-stall,) in the bottom of which has been placed a very coarse open-textured sponge, which has been placed a very coarse open-textured sponge, which has been with the articles in a previous number, might be filled with something more interesting to those has been soaked in water and squeezed dry. One who have read the previous number. The repea bottle, and then poured upon the sponge from time to time, as needed, renewing it as it evapothese matters, I have no doubt, would make your paper one of the most popular periodicals of New England.

Give us seasonable articles, so that we can immediately avail ourselves of any information or instruction you can communicate, and you will, no doubt, see the effect in an extended sub-Respectfully, scription list.

Boston, Jan. 15, 1854. II. L. Stone.

Remarks.—We always receive kindly, criticisms upon our labors when they seem to be made in a spirit of kindness, because they are evidences of an interest in those labors and in the general cause. With regard to publishing articles out of their season, we will relate a little of our experience to our friend. Several years since, we adopted the plan of retaining such articles as seemed unseasonable until the more appropriate time had arrived, and stated that such would be our course. But in the lapse of a few months we received so many letters of inquiry about the reserved articles, and found so general dissatisfaction, that we abandoned the plan. Correspondents cannot awaken an inspiration at will they write when circumstances, or the spirit, moves them, and when they have written they desire to see their articles soon published. The practice is really without serious objection. If an article on any agricultural subject is worth publishing, it is worth preserving; we have, therefore, placed the agricultural matter in a "In the year 1853, I kept ton cows. The calves, convenient book form, and every year accompany

it with a complete index, so that the intelligent and careful reader will always find the subjects sulphuric acid and ammonia, very soluble in waseasonable. At most, it is only an occasional ter, and favorable to the growth of plants. seasonable. At most, it is only an occasional Carbonate of Lime; a compound of carbonic fact given during the current year that can be acid and lime, 22 parts of the acid to 28 parts of unseasonable. The space occupied by "the re-lime. Marble, common lime stone, and a portion ble, and we believe is generally approved.

NOW-A-DAYS.

Alas! how every thing has changed, Since I was sweet sixteen, When all the girls wore homespun frocks, And at rons nice and clean; With bonnets made of braided straw, That tied beneath the chin; The shawls laid neatly on the neck, And fastened with a pin,

I recollect the time when I Rode father's horse to mill. Across the meadows, rock and field, And up and down the hill; And when our filks were out at work, As sure as I'm a sinner, I jumped upon a horse bare-back. And carried them their dinner.

Dear me! young ladies, now-a-days, Would almost faint away, To think of riding all alone, In wagon, chaise, or sleigh; And as for giving "pa" his meals, Or helping "ma" to bake, O, d ar, 'twould spoil their fily hands, Though sometimes they make cake.

When winter came, the maiden's heart Beg in to beat and flutter: Each beau would take his sweetheart out, Strigh-riding in a entter; Or, if the storm was bloak and cold, The girls and beaux together, Would meet and have most glorious fun, And never mind the weather.

But now, indeed, it grieves me much The circumstance to mention, However kind the young man's heart, And honest his intention; He never asks the girls to ride, But such a war is waged, And if he sees her once a week, Why, surely, "they're engaged."

TERMS.

far as possible to the use of terms which are uni-versally understood; and, if scientific terms creep those that are pinched with hunger. Dairy-men the following

Sulphate of Line; Gypsum, Plaster of Paris; the milk. If she is homesick or uneasy from bea chemical compound of 40 parts of sulphuricing shut away from her companions, it will soon acid (oil of vitriol) to 28 parts of lime and 18 be seen in the poorer quality of her milk. Catparts of water. The experiment of putting plast the are often restless and discontented because ter with green manure for the corn crop, mentioned on page 6, is well worth trying. We here enough that they should be abundantly furnished commend a very careful perusal of the article on with one kind of food. They need a variety. In

Sulphate of Ammonia; a chemical compound of

view," seems to us to be appropriate and valua- of marls, and a portion of all soils, are carbonate A of lime. Carbonic acid is the gas which rises from foaming beer, cider or wine, also from soda similar practice was long continued in the Horti- water, and from a bit of chalk or lime stone when culturist, while under the charge of Mr. Downing. you drop vinegar upon it. It is injurious, if taken into the lungs-destroys life if breathed in large quantities, as in the bottoms of dry wellsbut is wholesome when taken into the stomach, as in soda water. It arises from fermenting manure heaps, also from rich soils; water readily absorbs it, and brings it down in the form of rain. It constitutes a large portion of the food of all plants.

Carbonate of Ammonia; a compond of earbonic acid and ammonia. Ammonia is composed of 14 parts of nitrogen and 3 of hydrogen. It rises from fermenting or decaying substances, and combines with carbonic acid, which springs from the same sources, forming with it carbonate of ammonia, a volatile gas, that is, one which flies away in the air. What is meant by fixing the ammonia is this :—Sulphate of ammonia is soluble, that is, it dissolves in water and stays in the soil or manure, while carbonate of ammonia is volatile, that is, it flies away in the air and is lost from fertilizers which contain it. By putting in plaster, or sulphate of lime, the volatile carbonate of ammonia is changed to the non-volatile (fixed) sulphate; and in this form it remains for the future use of plants. Hence the great utility of applying plaster to all manures and keeping them in a moist condition.—The Farm, by Prof. Nash.

For the New England Farmer.

TAKE CARE OF YOUR CATTLE.

BY DR. JOSEPH REYNOLDS.

It is a pleasant sight to see a herd of eattle quietly chewing the cud of contentment, apparently satisfied with themselves, and all the world around them. But a herd of restless, uneasy cattle, breaking out of their enclosures, hooking and pushing each other, whenever they come near enough, rubbing off their hair against every post or tree they can get at, shaking their heads, and apparently dissatisfied with everything around them, is anything but a pleasant sight.

If you would have your eattle happy and contented, furnish them with an abundant supply of wholesome food, and keep them in a warm and We promised in a former number, to adhere as comfortable atmosphere. Cattle that are pinched into our pages in spite of us, to explain them in a understand very well the effect of restlessness and little vocabulary annexed to our educational de-discontent, both upon the quantity and quality partment. In pursuance of that plan we give of milk. However well a cow may be fed, if she is uncomfortable from cold, she will give but litpage 5, headed, Plaster of Paris as a fixing agent. the winter, hay of various kinds, out straw, corn

J. R.

vals. No cattle, whether milch cows, fatting cat-tle, or working stock, will thrive equally well on The horse of the Arab, that lives in the tent of one kind of food as on a variety. They need an his master, and is the pet of his family, will bear abundant supply of water, and should have as him over the burning sands, the livelong day, much salt as they will eat, both winter and sum-trusting with entire confidence that he will suit mer. In the summer, when their food is green the task to his strength, and supply all his and succulent, they should have ground bone wants; and the master will share his last morsel mixed with their salt. This is especially necessar of bread, and his last handful of barley, with his ry for cows that are giving a large quantity of favorite horse. milk. They often manifest an insatiable craving for lime, and will spend hours in chewing an old bone, to satisfy their exaving. All the lime taken into the system, in their food, is carried off through the milk vessels, and the operatives whose business it is to manufacture bone, have no material to work with. Our agricultural warehouses should keep pure, clean bone, ground very fine, and own but two or three acres of land, keep for this special use.

the summer, as well as a variety of food in the Farmer thinks more profitable than any of the winter. They like occasionally to browse among farm, it is my opinion that all are exceedingly the bushes, and to crop the leaves from the trees, convenient and will well pay their way if rightly Different plants have different medicinal, as well taken care of. as nutritive properties. One has some quality by I am obliged to work early and late in my shop, which it acts upon one organ, and another, some yet I welcome the evening when the Farmer, property which causes it to act upon another or- with its bright, clean pages, is brought to my gan. One acts upon the liver, causing a more house. Pleasant are the hours which it spend in copious secretion of bile. Another acts upon the reading its columns, and valuable to me the inforkidneys, another upon the salivary glands. A mation I learn in regard to the cultivation of my proper variety of plants keeps all the organs in a fruit trees, grape vines, rose bushes, vegetables, state of healthy activity; feed a cow upon such and in the feeding and general management of plants entirely as act upon the salivary glands, and in the feeding and general management of my stock. I will give your readers my mode of and she would slaver like an old tobacco chewer, feeding one of my cows. I purchased her last they need.

your cattle and horses; a turnip, an apple, a po-mode of feeding. tato or an ear of corn, given occasionally to a horse, an ox or a cow, if given in a kind and completely for the draft. Never require your of White, Black and Chestnut Oak.—Am. Agrihorse to do what he cannot easily and readily accountries. complish, and he will soon leap a five-barred gate, or draw a ton, when you command it, because he

fodder, roots and grain should be given at inter-imals should be scrupulously observed, if you

But enough for the present. Concord, Jan., 1855.

For the New England Farmer.

GOOD PAY FOR A LITTLE LABOR.

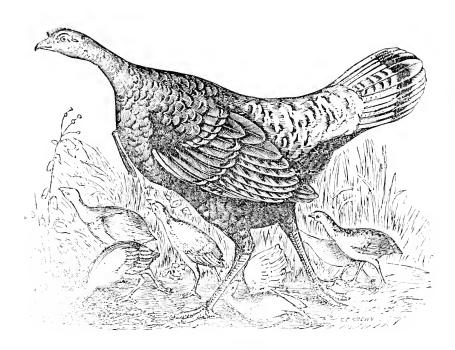
Friend Brown:—Though I am a poor man, but two cows, one horse, two swine, and a few Cattle need a variety of grasses and herbs in fowls, the latter of which a late writer in the

or like a horse that has been eating lobelia. November, when she gave four quarts of milk a Those who pasture their cattle upon land capable day. I commenced feeding her with cut hay, of tillage, would undoubtedly find the health, two quarts of shorts, and a few currots wet with and consequently the profit of their cattle promocold water, twice a day for one month. At the ted, by cultivating grasses of different kinds for end of that time she had not increased in her the express purpose of pasturage. Cattle that milk at all. I then commenced wetting the same have an extended range of pasturage, upon differ-amount of feed with boiling water, and at the ent kinds of soils, and among bushes and trees, end of the second month she gave regularly so more readily obtain the variety of food which quarts per day, which I thought a fair gain. Where a person needs considerable milk and keeps Always endeavor to secure the good will of but one cow! would recommend a triat of this A. Brown.

E. Abington, 1855.

gentle manner, will generally do this, and when the good will of such noble animals can be pro
Journal gives an instance of cattle being killed cured at so cheap a rate, who would not purchase by excessive eating of acorns. The fatality ocit? Keep up a familiar acquaintance with your curred on the farm of Richard Lamboin, near animals, so that they shall always know your Westchester, Pa., who lost fourteen head in the step, and recognize your voice at once. Always course of a few days. The cattle at first showed maintain a good understanding with your horses symptoms of illness by watery eyes, drooping head and oxen. Never deceive them, and never forfeit and spiritless walk. The cows failed of their their confidence, if you would have them trusty milk, their carcasses were almost bloodless, and and faithful. Make them understand that they the stomach and intestines exhibited every apmust promptly obey you, and that you will supperance of suffering from powerful astringents, ply all their wants. Teach them to confide in As acorns are known to possess astringent proper-your judgment, by never requiring of them tasks this to a considerable degree, there can hardly be beyond their ability. Require an ox to draw a a doubt that they were the cause of the difficulty. load which is beyond his strength, and repeat this Some varieties of acorns are much more astrintwo or three times, and you have spoiled him gent than others. The nuts in this case were

If you know any thing that will make a has learned to trust your judgment, and believes brother's heart glad, run quick and tell it; and you will not require what he is not able to do. if it is something that will only cause a sigh, This mutual confidence between you and your an-bottle it up, bottle it up.



THE DOMESTIC TURKEY.

waste in each, as cheap as beef.

farms and in thickly-settled neighborhoods, as quite small pieces. they require a wide range, and where they can' Many foolish notions exist among poultry will save whole crops of grass and grain.

Some thirty or forty years ago it was a rare | There is no more difficulty in rearing turkeys thing with many families to have a roasted tur-the first two or three months than in rearing comkey, or even a pair of chickens, upon their table, mon fowls, and the same rules are applicable to more than once or twice in the year; and then parent and chick. The nest for sitting should be on some particular occasion, such as Thanksgiv-in a dry and secluded place, where the hen will ing, Christmas, or when some long-absent friend not be disturbed—neither approaching the nest had returned to sit once more at the family board. to turn the eggs or to feed her—she will perform Good beef could then be purchased, by the quar-the first duty herself, when it becomes necessary, ter, for three to five cents a pound, and in small and come off for food when she requires it. It is quantities for five to eight and nine cents a pound. very rarely the case that the chick needs any as-At the same time nice turkeys brought ten to fit-sistance in extricating itself from the shell, and teen cents, and were boked upon by the mechan-many are injured by an impatient intermeddling ic and laborer as a taboord food to them. Now the with a matter which they understand, and will best beef sells at from ten to seventeen cents, and perform perfectly well, if left to themselves. Nor poultry at from eight to fifteen cents, though should they be interfered with for at least twentyrarely commanding the latter price. Poultry is four hours after being hatched—they want quiet often on the tables of all who desire it, and is estand the warmth of the mother-not feed. But teemed wholesome food, and, considering the if they leave the nest and appear to be in search of food, place a little wet corn and cob-meal be-Turkeys cannot be profitably raised on small fore them, or corn, wheat or barley, pounded into

enjoy it will not only provide mainly for them-breeders, and many practices prevail which are a selves until near autamn, but will also be of much good deal worse than useless, and which some of service to the farmer, in destroying great num-the books on poultry—we are sorry to say—still bers of grasshoppers and other insects that infest inculeate. Almost any treatise on the subject will the farm. Inde d, some years, when grasshop-give some 20 or 30 pages on the diseases of poulpers are namerous, a flock of turkeys on the farm try; but as it is much easier and better to prevent disease than to cure it, we shall recommend none

only be the exception to the rule of general health. Want of proper food, irregular feeding, too many cecupying a small space, exposure to cold, and more than all these combined, exposure to wet, are the prolific sources of disease in the poultry-yard.

We believe that exposure to wet and cold is the principal cause of loss of the young of all kinds of domestic fowls, including even ducklings. Nearly the whole dismal catalogue of diseasesthe pip, or gapes, diarrhea, indigestion, asthma, houses, the more as I am aware of your experifever, consumption, moping, rheumatism, roup ence in all that belongs to the culture of the and vermin, may be traced to this. We have lost 50 chickens in a single storm where wind and rain has found its way to broods which we supposed were safe,—and it was 20 years before we tising strict economy. discovered a remedy. Now we rarely lose a chicken by disease. After taking young chickens or turkeys from the nest, place them upon a tight lishment in the country. scaffold in the barn, and tie the mother there, remain healthy, and grow with wonderful rapidity. Keep them in this position until sometime in May, and then if they are placed in coops, do not let them run at large during rainy weather, or while the grass is wet with dew in the morning. Observing these simple rules, there is no difficulty whatever in rearing young turkeys or chickens.

- 1. Protection from wet and cold.
- 2. Sufficient room, or range, so that they may not be crowded.
- 3. A variety of wholesome food and water, with access to broken bones, oyster shells, gravel or old mortar.
 - 4. Perfect cleanliness.

But turkeys must have a wide range; to confine them would be about as great a departure from nature as to expect the pear from a willow, or a fleece of fine wool upon the back of a calf. Feed the flock of turkeys habitually at night near the buildings, and thus induce them to come to picking of oakum, hair, &c., to furnish employroosts prepared for them in high places, to which ment for the winter, and for those who are parthey may have convenient access. Cared for in this way, the loss will be trifling, while the profit should be done. will usually be larger than from any other item invested.

If fed liberally as autumn approaches, and continued until market time, there will be no need only become fat enough, but their flesh will be tender, juicy and sweet. These statements grow out of an actual experience of many years in rearing turkeys and other fowls.

To Prevent Iron from Rusting.—Warm your iron till you cannot bear your hand on it with-

of the medicaments or nostrums employed. When out pain to yourself. Then rub it with new and poultry is properly sheltered and fed, disease will clean white wax. Put it again to the fire till it has soaked in the wax. When done, rub it over with a piece of serge. This prevents the iron from rusting afterwards.—N. Y. Far. & Mech.

For the New England Farmer.

LABOR IN STATE ALMSHOUSES.

Simon Brown, Esq.:—Dear Sir,—Since your election to the State government, I have desired to say a word or two to you in relation to the agricultural department of the new State Alms-

Gov. Gardner, in his message, expresses the proper views in regard to these institutions, especially in what he says of work-shops, and of prac-

lishments.

"Industry and Economy" should be a motto to be engraven on the door-posts of every workshop, kitchen and bakery, in every pauper estab-

To ensure the most economical and productive where they will be kept from wind and rain, and if fed regularly upon a variety of food, they will of skill on the part of the superintendent, in the adaptation of the crops raised, to the wants of the inmates, more than to the demands of a neighboring market,—and at the same time, in addition to this, to provide, in a portion of the agricultural operations, opportunity to employ that kind of light labor which is always to be had in abundance in pauper and reformatory estab-

> Attention should be given to raising such staple crops as go to make the food of the immates. Herbs have been found profitable to raise for market; most of the labor necessary for their cultivation can be done by boys, and a whole large crop may be sent to market at one time.

> It has been the custom at some of our city establishments, to engage in market gardening, sending quantities of green produce to our mar-kets, in daily competition with our neighboring farmers. This is not good management, because this class of produce requires the hiring of skilled laborers, while some of the inmates, who might have been employed on coarse or staple crops, are compelled to remain comparatively idle.

> I am aware that there must be shops for the tially disabled, but for the health of those in the establishment, as much out-door labor as possible

These institutitions should be conducted so as to on the farm where the same amount of capital is save the expenditure of money in every practicable manner. No money should be paid out for staple crops which can be raised in Massachusetts.

In the management of institutions of this class, of shutting them up for fatting; they will not much can be saved, by a careful supervision of the matron over the store-rooms from which the clothing and provisions are given out,—sometimes these departments leak in such a way as to make the expense of their support unnecessarily increased—but this does not come within the subject we are considering.

G.

I am very respectfully, yours, &c., Cambridge, January 30, 1855.

MEETING.

Reported for the New England Farmer, BY WILLIAM W. HILL.

State House, on Tuesday evening, Jan. 30.

Lieut. Governor Brown presided, and opened forced. the meeting with some interesting and eloquent tion, or what ought to be its profits. Most of land, it being peculiarly adapted to our climate, those who engage in farming do so, not from with its hot, dry summers, and severe winters. choice, but from the force of circumstances, and He had paid considerable attention to it, and without well defined ideas of plowing, draining, usually got good crops. It can be raised on manuring, subsoiling, putting seed into the almost any soil, with proper attention to preground, its quantity, manner of covering, &c .- | ceding crops and cultivation. He would cultivate All this needs reform, and such meetings as these it after a green crop, and would not follow it are of great utility in spreading information and with either grain or grass, but roots. farming is a foolish prejudice which prevails con-siderably among farmers against anything which saw no method of getting at mechanical results appears in newspapers or books in regard to farmer except by association among the farmers, for they to book farming was convincingly exposed.

truthfulness on the utility of Farmers' Clubs .-- where manual labor was employed. A mowing-There is no way in which the cause of agriculture machine costs \$150; but it is only necessary for can be advanced so effectually as by the formation the farmers to club together, subscribe two or of these institutions in all the towns of the com- three dollars each, and make the machine do the his moder of cultivation, is, for him to spend a house it, all in one day. The expense, divided in his vicinity, examining the farming tools, said, also, of planting corn, potatoes, turnips, going over the fields, learning the system of cul- &c., which can all be done by machinery, and by tivation, &c. Nothing is more important to the one machine for twenty farmers. At the south and wherever he finds an improvement, let him must resort to machinery.

ture. It is impossible. With such a powerful for, after the corn, three or four good crops of

THIRD LEGISLATIVE AGRICULTURAL influence exerted upon them, our young men, who ought to cultivate farms, fly from the country and crowd the cities; and until female influence is won to the cause of the farmer, it will The third meeting of the series was held at the continue, and agriculture suffer. This point was very happily and eloquently illustrated and en-

Mr. Brown concluded by suggesting Indian

remarks upon the general importance of agri- Corn as the subject of discussion for the evening. culture. There is, he said, in the community a Mr. Fay, of Essex county, desired to explain, great want of confidence and interest in the sub- that in his remarks at the previous evening, while ject. Persons engage in agriculture who have he believed that our soil and climate were both long been accustomed to other pursuits; they adapted to the successful cultivation of wheat, he wish, as all of us do, to enter at some time upon did not wish to be understood as considering it the cultivation of the soil, but do so without any more profitable than any other crop. In his definite idea of what is needed in their new voca- opinion, maize was the great erop of New Eng-

awakening interest in the subject. One great ob- Mr. Fay spoke earnestly in behalf of farmers' stacle in the way of a rapid extension of good clubs. Farmers are behind the age in mechaning, which, after all, is only the printing of the cannot afford to experiment singly with machines. farmer's actual experience. Science is just what Our hay should be cut and made by machinery, the farmer needs. The fallacy of this antipathy for the high cost of labor absorbs a great part of the profits. He was confident that the hay crop Mr. Brown also dwelt with much force and could be got with a machine at half the expense monwealth. They promote investigation, and moving for them all. So with a machine to turn bring out facts important to the farmer. Another and make the hay. With both machines, farmost excellent method for the farmer to improve mers could ent their grass, make their hay, and day as o. on as once a month in visiting the farms among many, would be light. The same may be farmer than a habit of constant, close observa- and west, machines are coming into general use, tion, of all matters pertaining to his calling; and if we would compete with those sections, we

take it home with him to his farm and apply it.

The speaker next alluded to the potent, adhe deemed Indian corn the most profitable erop verse influence which is exerted by the sentiment we have. In speaking of it, we are apt to think of the female portion of the community in regard only of the corn, and nothing else: but if we look to the farmer's life. Until our young women closely, we shall find that it is not a great excease to manifest such a preference as they do for hauster of the soil, but is excellent in preparing those of the opposite sex who are engaged in the it for grass, while corn fodder, well cured, will law, in medicine and in mercantile pursuits, we produce more milk than hay will. The manure can never expect to accomplish much for agricul-inceded for corn should not all be charged to it,

manure, too, corn is better than is usually sup-crop. A bushel of potatoes can be raised easier posed. One hundred bushels, properly fed to than one of corn, and are worth more in the mareattle or hogs, will make two hundred bushels of ket. One great advantage of the potato crop is, as good manure as can generally be bought. In that farmers are in no danger of being deluged cultivating corn, there is no danger of too fre- with importations from the West or South, as in quent hocing. The best field the speaker ever the case of grain, for they are not raised to any raised, he hoed for seven weeks in succession, extent there. He thought farmers should pay and was satisfied that it paid well. One great more attention to them than heretofore. benefit of such a practice is, that it brings the corn forward a week or fortnight earlier.

Mr. Brown related a case in his own experience, where he planted a piece of corn, manuring one portion highly, and letting the other go without any dressing whatever, but hoeing it often instead. The result was that he got nearly an equal crop where there was no manure. But the stalks put one side for use. The stalks are he would advocate high manuring, with frequent chopped up fine, and by means of a small steam hocing. The importance of a thorough pulverization of the soil is not properly understood by the farmer, and should receive his earnest attention.

Mr. Flint, Secretary of the Board of Agriculture, said that Indian corn had always seemed to him the pride of New England, being indigenous to the soil and peculiarly adapted to the climate. No crop bears our severe droughts so well, and there is none which we can rely upon with more safety. Of late years, it is the universal practice among the best farmers to plant corn on a flat surface, without hilling. Cultivated in this manner, with deep plowing, the speaker believed that hilled, the roots are often laid bare to the scorching sun. Of varieties, there is one which has shels of potatoes can be raised than of corn. been tried for a year or two very successfully, called the King Philip. He had distributed some the Canada corn, is raised in Maine with much success. Large crops, of 100 bushels and npwards per acre, are raised in Plymouth county, the winter than the Canadian corn.

Mr. Clark, of Waltham, detailed an experiment made by him the past season in raising corn. He prepared two acres, plowing thoroughly and would be better. manuring deeply. One acre he planted about white, and the other 8 rowed yellow corn. The corn? speaker believed that corn was pre-eminently

grass can be got without manuring. For making whether the corn was as profitable as the potato

Mr. FAY alluded to the remark of Mr. Sheldon in regard to corn fodder, as an important consideration in estimating the value of the corn crop. His own practice is to cut the corn, even before it has quite turned yellow, and stack it with the corn in the shocks, allowing it to remain until dried, when it is husked in the barn and apparatus are steamed for six hours, when they are ready to be fed to the cows, who eat it freely; sheep eat it precisely as they would turnips. The expense of the steam apparatus, which is kept in operation in connection with a furnace, is about ninepence per day, and it feeds six or seven cows and a flock of sheep. The quality of the milk is much improved by it. The speaker thought that the value of corn fodder and the amount of manure which corn makes, in addition to its intrinsic value, placed it before the potato as a profitable crop.

Mr. Clark expressed himself convinced of the it would seldom feel a drought. If the corn is correctness of the last speaker's views, but remarked that in ordinary seasons many more bu-

Mr. Sheldon thought that the comparative profit of corn and potatoes to the farmer depended hundreds of papers of the seed, and the result very much upon the nature of his land. Last had been eminently satisfactory. A kind, called year on good corn land he did not get over 50 bushels of potatoes, while he got 35 bushels of corn. On swamp lands he had got 400 bushels of potatoes to the acre. In such a season as the of a variety called the Webster, or Plymouth last, corn would be the most profitable. In raiscounty corn; but it is said to shrink more during ing corn, he had found that when plowing up grass land it was best to plow in August, running 9 or 10 inches, and in the spring let the old sod remain without cross-plowing. The crop

Mr. Buckminster of the Ploughman, was hapthe middle of May, and the other about five days py to notice that the value of the potato crop later, with an addition of 250 lbs. of guano to had not been overlooked by the speakers. He the manuring. The yield showed a balance in thought the profit on a crop depended on the favor of the guano lot of about 15 per cent., kind of land cultivated, and every farmer must while it also suffered less from the drought than judge for himself. He would like to know which the other. One lot was planted with 8 rowed was best for fodder, sweet, yellow or Southern

Mr. Hall, of Hampshire county, said he had adapted to the climate of New England, and was fed green corn fodder to his cows; they are it of the opinion that it suffered less than any other greedily, and gave more and richer milk. His from the drought last season. But he doubted horse also thrived remarkably on it. He fed the

ears while vet in the milk to his hogs, and the pork they made was the finest and sweetest he ever tasted, and its superior quality was often remarked by friends who are of it. He was satis- your friends in this region some information in fied that there was nothing which would make so relation to hop culture? This subject is exciting nice pork as green corn while in the milk.

Mr. Poor, of Andover, made an interesting statement in regard to his manner of raising readers of your valuable paper. winter wheat, and setting forth the superiority of the wheat crop as a profitable one for New questions! (a.) Are hops used to any considera-England farmers; but as his views and experi-ble extent for other purposes than browing? ments have been published in the Farmer we omit any sketch of his remarks.

in his own experience, wherein he fallowed a crop of tobacco (a very exhausting crop) manured with 25 loads to the acre, with a crop of winter wheat, planted in September. The ground was flat, and wherever the water collected and froze in the winter, the wheat was killed, so that only about half an acre came to maturity; that, however, State for yeast and for medicinal purposes, yet violded 20 bushels. A piece of winter rye, by far the larger proportion is used for brewing, planted on a similar piece of land, and subjected probably at least fifteen-sixteentls. to the same influences, did not suffer from being winter killed. In his opinion, the wheat erop, what fluctuating. The price, for several years in although often a very profitable one, was not reliable, and New England farmers must depend on State abandoned the cultivation of them. Since corn and winter rye for certain returns.

journed.

dience we noticed one lady, a very pleasing fea- of raising and curing a pound of hops is about ture, certainly. We hope other ladies will take five cents. The average price for the last four riculture, and manifest it by their presence at sold as low as 5 cents a pound; in 1829 at 53 such meetings as these, an impetus would be giv-|cents; in 1847 at 6 cents; in 1848 at 7 cents; en to agricultural improvement which could be while in 1849 they sold readily at 122, and in 1850 gained rom no other source. At the same time at 25; and during the last year, they have been they would gain much valuable information.

HOUSES FOR BIRDS.

Messrs. Editors.—There are but few gardeners, farmers, or fruit-growers, who do not see the and there is nothing to prevent competition in advantage to be gained by having the number of them except the want of suitable soil. summer birds increased. Yet there are not many who do anything in the way of providing houses or nests, that this end might be obtained. If a nured. Good corn land is generally good hop cheap article were manufactured, tasty and orna-land. The land is to be plowed deep, say from 8 mental, they would find a ready sale at the agricultural stores. Will not some of your readers furnish plans of bird-houses for different kinds of birds? That might induce some maker of Yankee notions, to add this branch to his trade. No present would be more acceptable to a child, than and planting in every other hill, brings them eight a pretty bird-house, costing but a shilling, where he could have what he could call "his birds," and which would afford him much amusement during the summer, and should there be a dozen be too many.—Country Gentleman.

For the New England Farmer.

CULTURE OF HOPS.

Mr. Editor:—Will you be so kind as to give considerable interest in our community of late, and any information you may be able to impart through the Farmer, will be a favor to numerous

In particular, will you reply to the following And what purposes? (b.) Is it probable that the price and the demand for hops, for years to come, will be such as to make it a safe and profitable Mr. Stockbridge, of Hadley, narrated a case branch of farming! (c.) Is the hop culture restricted to any section of our country, or is it liable to be ruined by extensive culture? (d.) The mode of cultivating and preparing for market, Benjamin Comings.

Greensboro', Vt., 1855.

Remarks.—(a.) Hops are largely used in this

- (b.) The price and demand for hops is somesuccession, was so low that many growers in this 1848 the price has risen, and for the last five At 20 minutes to 10 o'clock, the meeting ad- years they have been very profitable. There are few crops on the price of which we can calculate The attendance was good, and among the au- with so little certainty as upon hops. The cost the hint and attend. They will find the meet-years has been about twenty-five cents per pound. ings both interesting and instructive. If the The average price for the last forty-nine years is women would only take an active interest in ag-labout thirteen cents per pound. In 1819 they known to sell as high as 40 cents a pound. No agricultural produce is so fluctuating in price as
 - (c.) The hop has a wide range of cultivation,
- (d.) Hops require a strong, rich soil, well mato 12 inches, and manured by spreading and crossplowing in. It is then furrowed as for corn. The hop plants may be put in every other row, bringing the rows of hops about eight feet apart, feet apart both ways. Corn or potatoes may be planted among them the first year. The first year they produce no hops. The second year they are children, and a house for each, there would not to be poled and trailed, or tied carefully to the poles. In the spring of the year the hills should

be opened and the running roots cut off, and a the issue in question. But, as I understand shovel-full of good compost manure thrown upon "Reader" now, he is "death" on mortgages in

when they are ready for market.

For the New England Farmer.

MORTGAGES ON FARMS.

gages, &c., I attempted to show what I un-house for his family, barn, &c., he finds himself derstood by the principle, and how it was or without a red cent to commence farming with. might be applied in eases of necessity in farming What is to be done? "Reader," in this ease, matters. And in reply, "Reader" has given me would probably say the young farmer must look his experience in several instances, and thinks it up some job outside of the farm, in a neighboring may be a sample of what mortgages come to in factory, or "hire" out by the month to a farmer enough with a mortgage over them, while others, vation principle, how long will it be before he, in apparently going along in the same track, will turn, will get starved out by such management? fail. What does this prove? Why, if it proves than all other outside causes you can name.

were he had to deal with—sometimes with an run than manual labor, in these days on the farm. "endors r," or not, as the case might be. But Then, the young farmer must supply himself with all the operations came to the same thing finally, good agricultural papers, books, periodicals, &c., namely, the land must be paid for in time, or and not think that part of his farming capital clse be forfeited and lost. Of course, when the is wasted when spent in this way. For one of the land was paid for, then the "notes and mort-great pull-backs in farming is a want of know-gages" were killed, and not till then. So, in ledge, which, in fact, is ahead of all other wants reality, he never knew any difference whether on the farm, when applied to practical farming, the land was mortgaged or not; the idea was, of If this fault could be remedied, many a "mort-course, to pay for it in the shortest time. He, gage" would be paid off with no difficulty at all, of course, never allowed himself to believe that which has been left to be handed down from the land could not be paid for in time, by good father to son. management, for he knew better. Sometimes he could no more than meet the interest, and, in other years, hardly that; then, again, he could "mortgage," could not have been paid, (even in pay some of the principal, and so on till the thing his father's day, if the management on the farm was finished.

the hill and covered with the hoe. They are general; but, under some circumstances, they the hill and covered with the hoe. They are may be allowed on the purchase of a farm, but usually to be plowed and hoed three or four times in order to keep them free from weeds.

They are may be allowed on the purchase of a farm, but usually to be plowed and hoed three or four never to raise money to make "improvements" on the same very well. Now I wish the readers Picking asually begins about the first of Sep- of the Farmer to remember, in my former article tember, and after this they are dried carefully in on this subject, that I only recommended the mortgage plan to raise means for farm improvethe kiln, over a charcoal fire, and packed in bales, mortgage plan to raise in the kiln, over a charcoal fire, and packed in bales, ments when all other plans failed, and I say so ments when all other plans failed, and I say so now. But when it came to this, then I would put a mortgage on the farm for improvements as soon as I would to buy the land. And why not! Now, suppose a young farmer to come in possession of a poor, worn-out farm, and, after MR. EDITOR: -In my former article on "Mort- he has made some improvements in the way of a general. My own idea is, that he has given us until he can raise money to begin farming with. his experience in the matter, which is all very And what is to be done with the farm in the well as far as it goes. Now my idea farther is, meantime? Why, nothing, of course. My plan that the property of the that were be to go through the State and canvass would be to tell the young farmer to go on to the this matter in regard to mortgages among farmers, farm at once, and give his whole time and attenhe would find hardly any two men who told the tion to it, never leaving the farm for any "outsame stary. In fact, the whole thing turns on side" job that may offer, so long as he can earn "management," as I understand it; and, in three shillings or fitty cents a day for his work at fact, like any other business, more depends on the home on the farm. The young farmer has noth-"MEN" you have to do with, than in all other ing else to depend on to live but this worn-out matters put together. Some men will do well farm. Then, if he works this farm on the star-

It is, then, as we said in our former article, any thing, it says, in substance, that in this that the young farmer must see that he cannot matter more depends on "men and management," afford to let his land lie idle or go unimproved. than all other outside causes you can name.

Of course it is understood that, in the first place, My own experience is not just what "Read-the young farmer understands his business, and er's" is on "mortgages," not having gone through that he knows just what course to take to reno-all those operations. In former years, my late vate his land in the shortest time. All that is father began the world in a small way, of course wanting is the ready capital, which must be had buying his land by pieces, generally on the some way; he must begin by using as many im-mortgage" plan, as usual. In later years, when proved farming implements as his means will be usely addition to his forms it is understood that, in the first place, "My own experiences it is understood that, in the first place, and er's" is on "mortgages," not having gone through that he knows just what course to take to reno-all those operations. In former years, my late wanting is the ready capital, which must be had buying his land in the shortest time. All that is he made additions to his farm, it was done by a allow, always remembering that good labor-saving "note," often depending more on who the parties farm implements are much cheaper in the long

had been equal to the best farm improvements of Now, the point at issue betwixt us and "Read-the present day? I do not know, of course, what er" is, when and where should "mortgages" be "outside debts" "Reader's" farm had to meet; allowed, and when not? I attempted to show, but I do not hesitate to say, if no uncommon in a former article, how and where they might debts but what grew out of the old "mortgage" be allowed by the farmer. "Reader," in reply, was on the farm, then the system I have named gave me his own personal experience on "mort- above, if faithfully carried out, would have paid gages," which, to my own idea, does not meet it. Has "Reader" a doubt of it! I see very

plainly that "Reader's" idea is, that if old mort- I never supposed that "Reader" meant to do gages are paid at all, in most cases the money me injustice by unfair comments on my former must come from some "outside operation," of articles, or by unjust criticisms. But still, when which the farm has nothing to do with. In proof he began to talk of "Bagging up shade and selling of this, he gives his own experience in No. 3, it at lifty dollars a ton as a fertilizer," I thought where the mortgagor never paid a cent of either it had a strong look that way, as though he principal or interest; but, in after years, it was might place me on a par with some other "sellers paid in full by a son, who was a merchant's of fertilizers" that I could name, but should clerk. Now what does this prove to us? It rather not do so. Still, I may be wrong in this looks as though the management on that farm matter; if so, then all is right. was of the loose kind, or, in other words, just no One word more, and I have done. To those management at all; but such as would fetch any farmers of all classes who own farms, and think man to ruin in time, if well carried out. In proof of this doctrine, where was the son? Why, but and quit the business at once, and enter on he was in a neighboring village, or city, acting some business that you can make something or as a merchant's clerk, when he should have been have some confidence in. For what satisfaction upon the farm. Why, the son says, like thousands is it to follow a business that you cannot make any of others, farming is of no great consequence any thing at? When I hear farmers commence on a way, as a living can be got, if you work hard complaining tirade that they cannot make any enough, but no money in reality can be made, thing at farming, or scarcely get a living, I never If I mean to get above a searty living, I must want to hear them talk, for I am satisfied that "pick up my duds," go into a merchant's there is something wrong in the men or their counting-room or lawyer's office, and try to make management. Yours, &c., L. DURAND. some money, and, in reality, be somebody. Does "Reader" see any reality in a picture of this kind? If so, cannot be see some reason why more old "farm mortgages" are not paid off than there are or have been in years past !

To us the whole thing in regard to mortgages lies in a "nut-shell," namely, for success all depends on men and management. My idea is, that the "farm should be made to carry the farm on its out the following, from the Bayou Sara Ledger, own back -or, in other words, the farm should Louisiana. It is represented as unusually rich farmer his living and pay all necessary expense. Why not? For years, or ever since I was a boy, Here is the I have heard farmers talk after this fashion: Farming is well enough if you have got a farm of your own; but as for making money at farming, it is out of the question; you must do what you can yourself, and let the rest go; you cannot afford to "hire" any help, because it wont pay. We got in all our hay and harvest, said another farmer, and only had to "hire" so many days' work; just as though some feat had been accomplished. Now, if a farmer's labor will pay for itself, why cannot a hired man's be made to pay its own way, and leave a little profit to the farmer ! For, in reality, it is these extra days' work on the farm that pay, after all. I repeat what I have often said before on this point, that there is no extra labor hired out in any business that will pay better than well-directed labor on the farm. Of course, the farmer must go with his men, and see that the work is done as directed, and not trust to the "honor" of his men to have the work done. But, then, what are young farmers to do that have just started? Nine-tenths editor should have a "Report of Brighton Marof them have to begin with nothing; of course ket" fastened for a week to his spectacles. If we their farms must be paid for under a "mort- are ever reduced to "Pea Nuts and Pop Corn" gage," or never paid at all. Then they must for a public set-out, it must be owing to a great have capital in farming implements and tools; expansion of his "peculiar institution." never trust to your neighboring farmers to "bor- Will the Ledger man keep posted up? never trust to your neighboring farmers to borrow and beg tools to work with, as this is a shiftless policy, followed by too many farmers: own your tools, and then work with them. To time.

Derby, Ct., Jan., 1855.

For the New England Farmer.

PEA NUTS AND POP CORN!

Mr. Brown :--What do you suppose some of be made to pay its own way, that is, give the and varied. These luxuries were enjoyed at a public supper at the North, in December, 1854.

BILL OF FARE.

SOUP. Pea Nuts.

ROASTS.

Pea Nuts. Corn, a la Indian.

BOILED. Pea Nuts

White Corn. SIDE DISHES.

Pea Nuts, garnished with Pop-Corn. Pea Nuts, with Pop-Corn Salad. Pop-Corn, garnished with Pca Nuts.

FIFTH COURSE. Ice Water. Pea Nuts. Pop-Corn.

> DESSERT. Pea Nuts-roasted. Tucket Corn-popped. Water-with Ice.

> > LIQUORS.

Water. Cold Water—with Pea Nuts. Ice Water.

FINALE. Tepid Water-with Pea Nut Shuck Toast.

The Bayou Sara Ledger is mendacious! The

Concord, Mass.

Turkeys to kill Grasshoppers.—I would advise young farmers who commence in this way, I say your correspondent from Kentucky, who is anthat there is no difficulty at all but that you will noved with grasshoppers, to keep on his premises come out right, with patience, perseverance and a flock of turkeys. I was surprised a few years good management, to carry out the system, in ago, at seeing large flocks of turkeys in the meadlows of a neighboring farmer, an enterprising,

close calculating man. He told me that they cay of the roots, straw, and other products of the had been annoyed with grasshoppers, and that by plants left upon the soil. keeping turkeys a few years, he got rid of them. I have since kept a flock on my farm, and think they more than pay their way, especially where a farm is infested with grasshoppers.—Country G nth man.

SALINE MATTER IN SOILS.

long to any soil.

instance—to be cultivated for a series of years without any application of manure. No one can doubt that exhaustion would be the result, and that the exhaustion would be precisely in proportion to the amount or bulk of the crop produced. The same principle operates elsewhere. All the elements abstracted from the soil by vegelementary substances withdrawn.

Let us examine this question somewhat more land Farmer. minutely. Sprengel, a celebrated chemist, and soil producing excellent crops of clover, beans, rape, potatoes and turnips, when manured with gypsum. Of these soils one thousand parts contained, after washing,

,	0,	No. 1.	No. 2.
	ter		
	ganized matter, (cla		
Silicious sand		49	160
		1000	7070

Now in the ease of the first, the alluvial soil, weeds. the exhaustion produced by the erop was counsupplied the deficiency not made up by the de- duty. You labor to inspire an agricultural taste,

For the New England Farmer.

PLANTING TREES.

Mr. Editor:—I perceive that the committee on agriculture have been instructed to visit the State Farm at Westboro, to inquire as to the One grain of saline matter in every pound of pediency of making additions thereto. This soil measuring one foot in depth, is equal to five brings to mind a suggestion made the last year, hundred pounds per acre. And this amount, insignificant as it appears, in the abstract, is more these words: "What more delightful appendage than is exhausted in forty years, supposing the grain produced upon it is sold off, and the straw and different varieties be planted, and their varieties be planted, and their varieties be planted, and their varieties be planted. and green crops are regularly returned to it in ous progress noted and recorded; and, sixty years the shape of manure. In most cases farmers rely hence, when the boys who may have assisted in too confidently on what they have been traditionally taught to regard as the recuperative or self-replenishing power of the soil, a power by which the experiment. Let ten acres of the land be it is blindly conceived to be capable of re-attain-thus planted with the English white oak, (exing fertility through its own unassisted energies perience has shown that this variety advances in when it has been thoroughly impoverished by size twice as fast as the American white oak.) and long cropping, and deprived of almost every element upon which fertility, or the power of production, depends. Such a capacity does not bedeposit can be made! And then, think of the enjoyment the boys would experience in hunting Suppose the most affluent soil—a garden, for squirrels in such a grove! "A word to the wise is sufficient." Essex.

January 29, 1855.

For the New England Farmer.

NOTE OF THANKS.

Messrs. Editors:—I am much indebted to you for your monthly paper kindly sent me, some years past, and small tribute pecuniary or agricultural, etables, must be returned to it, or it will be de-horticultural, floral or pomological, have you reteriorated in proportion to the quantity of the ceived at my hands in return. But please accept, in lieu of a more substantial and valuable consideration, my very sincere thanks for the New Eng-

1. I thank you in behalf of plow-boys. I relong at the head of the Agricultural School of member well when I held this office, and while Prussia, published an exact analysis of two profields, how I longed for something to awake the ductive soils; the first, a fine alluvial soil, mind, and prompt interesting thoughts, so that overflowed by the ocean, and for sixty years cul-plowman or driver might find pleasant topics for tivated in wheat without manure; the second, a conversation. Alas, for the weary, dreary monotony of our work, with nothing on hand worth thinking of or talking of, as to our business of dull, heavy plow-joyging. (a.) You furnish ample materials to fill up that sad vacuum in the mind of the younger and older field laborer. Great mental stupor must there be, if your articles do not prompt thoughts, inquiries and reasonings, in all who are working the soil, or gathering its products, and thus prevent their minds from lying waste, or overgrown with noxious

2. I thank you for your influence, adapted to terbalanced by the alluvial deposits, and conse-attach farmers' sons to their dignifying employquently, so long as its annual or periodical sub-ment, upon soil consecrated to freedom. The mergence by the water, its fertility would be cifully) falls not upon the cowering slave, but maintained unimpaired; in the latter, gypsum upon the dull or wayward ox, to prompt him to

directed skill and enterprise applied to land on the denizens of the air afforded a theme. If wild better suited to train up and retain in all our old hospitable regions, where even man dares seldom ry, such as must ever constitute the bone and approach, -or if their leader pursued his trackto be rich often tempts to speculation, and bold of creation were explained, and the cause of their adventures in untried spheres, far away from liome, resulting, many a time, in disappointment and sorrow.

that there is range for the powers of most gifted autumn, and both sexes congregate and pass minds, in the domains over which extends the farmer's sway. We have learned effectually, the scientific, enlightened mind, is demanded to direct the laborer in the proper tillage of the

4. I thank you for calling our citizens away from dangerous strife and political turmoil, to their habitation in every green meadow in proxone grand, common interest, not only of New imity to the dwellings of man; few or none be-England, but of our whole country. Patriotism ing found in secluded places. And so, with free bids you good speed, and gathers all her true-hearted sons, in fraternal fellowship under the in the black to be a fellowship to the principles involved in the black to be a fellowship. banner of peace which you lift on high, displaying on its snow-white folds the olive-branch and inanimate objects about us, of soil, tree, flower, J. Lee. dove.

Remarks.—(a.) How vividly has this sentence brought to mind the long days of team-driving, both in the fields and on the road, of our early youth. It brings a pang now, to remember the tedious hours up and down those interminable furrows, with a plowman at the handles as sluggish and drowsy as ourselves, after the novelty of the first few "rounds" had passed away. To him, there was no beauty in the path—no shining ore—no stores of grain or grass, no germ of bud, or flower, or fruit; the furrow, a furrow "was to him, and nothing more." To him, it had never been taught that the clods of the valley contained any principle of life, and their animated beings were pressed under his heel with thoughtless indifference. But when another came, him, honored sire, from whose lips fell the first and early lessons to our impatient mind, how soon supineness and indifference departed. Flowers sprang up along the path—the furrows were peopled with animated life, indispensable to the whole plan, and affording texts for the most interesting and useful discourse. Standing over the upturned nest of the field-mouse, and beholding its "wee bit home in rains," clicited a stanza of the Farmer Poet-

"Wee, sleekit, cow'rin', tim'rous beastie, O, what a panic's in thy breastic! Thou need na start awa sae hasty, Wi' bickering brattle! I wad be laith to rin and chase thee, Wi' murd'ring pattle !'

and to show the pleasure and advantage of well-er farmer and poet of nature, Robert Burns. So stnew of New England's strength. The hot haste less way south, the habits of this interesting part particular movements given. Now, while the team rests, comes our old friend, the bob-o-link, 3. I thank you for laying open so many fields and on a neighboring maple, gives us his first of investigation connected with agriculture, song of the season. Then their habits were givwhich enlist so much talent and science, showing en; how the males change their plumage in the south in flocks, feeding on the wild oats, on the that ignorance and blind tradition will not make banks of the great rivers, or resting in the extenour fields teem with their varied fruits, and that sive corn-fields, after having become fat. Then what a wonderful instinct they observe in the spring. They are no longer seen in flocks, but scattered all over New England, two or three pairs having in the labor to be performed, of the animate and fruit, stock, crops, and of the love and "isdom of Him who gave and controls them all, the way would grow short, the labor light, and the evening found as returning to the loved ones at home as equally pleased as ourselves, with the rational and interesing duties that had fallen to the lot of each through the day.

ACKNOWLEDGMENTS.

We thankfully acknowledge the receipt of numerous and most excellent communications upon various topics, and from gentlemen of great practical knowledge of the subjects, which they dis-Deducting a paper or two indicted by some young friend with one foot on Helicon and the other on Parnassus, and whose wild hexameters have probably saved him from a fatal collapse, and we have not one among them all but contains sound and valuable instruction. Some of them will be deferred for the present, in order to present them at more seasonable moments; but all shall have a place, first in the weekly paper, and then in a more permanent form, in the monthly Farmer.

Farmers! Now is the time to write. Write for some paper, if not for this. Review your operations of the past summer; take up any particular crop. Begin by setting down first the nature of the soil, whether it is high or low, wet or dry, drained or not; then the time and manner of plowing, and the entire preparation of the field, including manure, for the reception of the and then with easy and natural transition, he crop. Continue this process with other similar would give a brief sketch of the life of our broth-lands appropriated to the same crop on your own indelibly on his own mind.

portance which they have never before possessed. They become, not only a store-house of rich fruits, and flowers, of grains, herbage and cattle, but a Book of Revelations, incessantly unfolding to our wondering senses the manifestations of Divine love, wisdom and power. This is not only a mutual labor between us, but a mutual benefit—it is difficult to tell who is the debtor. Intercourse with good farmers, at your clubs, social gather-lively, hardly accepts my theory. He saysings and visits to your homes, is to us as a perennill spring to the thirsty soil;—with these, and opinion on this subject, I read everything relating constant recourse to books, which are the record—to it with interest. Forest trees get along comed experience of others, there should be no lack of fortably without trimming, and so do shade trees

crops, reclamation, draining, plowing, or to fruit his particular "taste." Now that is very kind in and forest trees, that subject will soon assume an nature, certainly; but it would save me much interest troos, that subject will soon assume an doubt and hesitation if she had labelled these interest and importance which it has never had "superabundant limbs" respectively, as the case for us before; and nothing will so much increase might be, "jackknife," "handsaw," "axe," &c. writing of them. Farmers, you have the factsgive them a tongue through the pen and newspa-

Among the articles on hand, are two or three in relation to the Basket Willow, correcting some supposed errors in former communications, and her alphabet always sees them. describing minutely the proper soils, modes of cultivation and preparation for market, its value, along comfortably without trimming." It is not amount used, and the sums annually sent out of settled that it "don't pay" to trim forests. the country for the raw article. These will be given in season to afford the necessary informa- bye and bye, is an open question. tion to any who may desire to commence its cultivation the coming spring.

We have also received the first number of a series of short articles upon our winter migratory ly connected with our agricultural and horticul-sable.

tural Fair a fine collection of the pure breeds and by a glance at the orchards that have come in my their crosses upon the common variety. The pure way. The trees are trained in all manner of

farm, or assist your neighbor in the same inves-Cashmeres have thus far proved perfectly hardy tigation. Here, then, you will have the basis, and quite prolific in the south, and their fleece, the facts, for telling the whole story, and it only manufacture of the finest Cashmere shawls and remains to weave them together by the use of other costly fabries of the Oriental looms. We common, natural language, easily comprehended do not hazard much in ranking this importation by all. Though truths communicated in this man-of Cashmere and Thibet shawl goats among the ner are valuable to the reader, they are infinitely most important of recent southern enterprises, more so to him who analyzes the facts and communicates them—because that process fixes them sold one pair to a northern company at \$1000, and the remainder of his pure bred Cashmeres In this manner any of the operations of the have lately passed into the hands of a very sucfarm may be made to assume an interest and im-portance which they have nover before possessed mals, Mr. R. Peters, of South Carolina.—Rural New-Yorker.

For the New England Farmer.

PRUNING APPLE TREES AGAIN.

Mr. Brown:—You published a short essay, over my name, on pruning apple trees, in the January Monthly Farmer. Your goot-natured Winchester correspondent, whose criticisms are always

"Pruning Apple Trees."—As I am unsettled in interest or of sources of information to any of us. generally. But, says Mr. Brown, "apple trees grow with a superabundance of limbs that pro-When the attention is turned, critically, to any vision may be made for casualties, and an opporparticular subject, whether it be field or garden tunity afforded the cultivator to train according to that interest and fix the facts upon the mind as If Mr. Brown is disposed to be offended by these remarks he must give the editor half the blame, for attaching that article on page 38 to his recommendations on "Beautifying the Farm."

> To be sure, my good sir, nature is "very kind;" there is no mistake about that. As to the labels (an original idea) one who is pretty familiar with

> Your correspondent thinks "forest trees get Why dead limbs should be left hanging to a White Pine, to run through an otherwise clear board

The difference between forest trees and fruit trees is very apparent. The former are indigenous to the soil; the latter the result of importation and long years of patient training. Apple hirds, from our accomplished friend and critical less care than many bestow, but to be of the observer, S. P. Fowler, Esq. Birds are intimate-greatest profit, attention and labor are indispen-

tural operations, and their habits ought to be can ripen no fruit in their dense shade. Apple "A Reader" will at once see that forest trees trees are very much thinned in the moist climate of England to admit the sun. What does the Cashmere and Thibet Goats.—Dr. James B. common observation prove, that "the apples from Davis, the original importer of those exceedingly the sunny side of the tree are the fairest and rare and valuable animals, the Cashmere and best?" As to the "particular taste," I take it Thibet goats, presented at the Georgia Agricul-most men have a way of their own. I judge so

shapes; some so high that a fishpole would hardly main root of the wild pear tree, which is as hard reach to the lowest limbs, and by nothing short and solid as any other part of the root. Has of a fire ladder and a sailor could the fruit be this enlargement any thing to do with the health

load.

I may add that fruit trees require pruning more than forest trees, because their culture is, in a sities of the tree in a dry season. measure, artificial.

Is "A Reader" as much "unsettled?"

Concord, Mass., Jan., 1855. w. p. e.

For the New England Farmer.

ABOUT PEAR TREES.

one word upon the subject of pear trees before I one word upon the subject of pear trees before I of the imperfection of the St. Michael. I want leave your paper, or rather, before it leaves me. every fruit-grower to cultivate this pear. I have I have, during the last ten years, given some not had great experience, but I believe, and have attention to the garden culture of pear trees. I began, ten years ago, with planting out some half dozen from Long Island, one and two years count of my little experience in the cultivation. a dollar and a half apiece. They had a growth failed. of five and six feet. I put them into as good soil as there was in the garden, on the border of a bank raised about two feet, and manured and cultivated every year since; but I cannot make them grow.

During the last six or seven years, I have taken from the wild pasture land, partly covered with bushes, such wild pear trees as had got up beyond the reach of the cattle, and others that had been freely browsed by the cattle, and from two to six but I think apple trees may be forced beyond a conceited egotist shrank back, and never spoke healthy and fruitful condition.

I have noticed and spoken of a bulb upon the

gathered. Others I have seen trained so low to the ground that hardly a calf, much less a pair it could not be accidental, as it has been observed of oxen, could walk under the limbs. oxen, could walk under the limbs.

As to "casualties," they are common and are to a rapid grower, in its wild state, shoots starting be expected. A heavily laden tree, even if care-up from two to four feet in a season; and may fully propped, will sometimes give way under its not this enlargement be for the purpose of making larger drafts from the soil for its nourishment, or may it be a reservoir of moisture for the neces-

I have said that several of these trees have borne fruit, such as the Bartlett, Bilboa, Catalac, Winter Nelis, &c. I want to say one word in favor of the last, viz., Winter Nelis; I think it one of the very best pears that grows. One of my trees has borne this pear for three years, between two and three dozen the first year, fewer the second, and more the last. This pear ripens in December, and resembles in flavor the old St. Mr. Brown:—Dear Sir,—I want again to say Michael, in its most perfect state, and is destitute

from the bud, costing something like a dollar and of pear trees, and I think that I have not quite

Topsfield, Jan., 1855.

For the New England Farmer.

LUNAR INFLUENCES.

Mr. Editor:—I have read with much interest the suggestions of your correspondent from Bloomfield, C. W., on Lunar Influences. Notwithstandfeet in height, and set them in my garden, cover- ing the entire absurdity of the thing, there are ing two-thirds of the ground, from eight to twelve hundreds, aye, thousands, who have more or less feet apart. They have all been cultivated alike, both those that came from Long Island and the others. The wild trees were sometimes worked the same year, in which they were transplanted, and sometimes the next after transplanting. The ble rebuke of one of these follies was brought to wild trees usually had a bulk somewhat like that beind by the perusal of your correspondent's core wild trees usually had a bulb, somewhat like that mind by the perusal of your correspondent's couon an onion stalk, on some one or more of the minor roots. I have thus set out some thirty or forty trees of the native crab pear. The wild trees have grown far beyond my expectations, are now twelve and fifteen feet in height, and ten or twelve have borne fruit, two or three for bushes, that they might not rise again, when he said it should be done in the last quarter of the several years, and I have refused ten and fifteen dollars apiece for some of them; while the nursery trees from Long Island have not made a foot of wood during the ten years, and have made only abortive attempts at fruit bearing. My experience would seem to warrant me in giving the had repeatedly tested the fact, by his own experience to wild near trees over those of nursery. preference to wild pear trees ever those of nursery cultivation. I suppose some of these trees, before they were taken from the wood, were twenty years old. Thave hitherto thought that pear trees could seech you never again bring in the influences of the pear trees will be a seech you never again bring in the influences of not be cultivated too highly; but I now think the moon upon any of your experiments in culthey can be in the nursery, but not after they are ture. Let me tell you, she has no more to do permanently located; it is somewhat different with apple trees. All trees need cultivation; but I think apple trees. again on the influence of the moon. J. W. P.

February 5, 1855.

FOURTH LEGISLATIVE AGRICULTU-RAL MEETING.

Report A for the New England Farmer, BY WILLIAM W. HILL.

in consequence but a small audience was present, been saved if farmers were only better acquainted The subject for discussion was Farm Stock.

one built for the shambles and the other for milk, charging into the loins. Most Dualiams in New England are those built so that in the calf they sometimes take the char- the benefit. acteristics of their grandfathers or grandmothers.

regular quantities and at regular periods. Great care should also be taken to treat them well. A cow, neglected or ill-treated, will not yield so much milk, or give it so readily, as one kindly The fourth agricultural meeting of the season treated and cared for. In closing, Mr. King alwas held at the State House, on Tuesday evening, Indeed to the diseases of cattle, remarking that a February 6. The weather was severely cold, and great many animals are lost which might have with the subject of diseases in cattle. As we go WILLIAM S. KING, Esq., of Roxbury, presided, through the country, we find that farmers are and opened the meeting with some interesting very ignorant on this point, and follow blindly remarks. The subject of live stock he considered the customs of their ancestors. Cattle are often one of the rest interesting and important con- put to death by the medicine given them. He neeted with agriculture, and one which could not alluded to the "soft tail" and "milk vein" nobe fully discussed in a single evening. In his tions, as illustrations of the need of information remarks be would confine himself to neat stock—among farmers. The idea that, by cutting off a milch cows. The principal breeds in New Eng- "soft tail," the life of the animal may be saved land are the short-horns or Durhams, the Devons, by preventing its extension upwards and along the Jerseys and the Ayrshires. He had owned the vertebre, is wholly false, for the soft spot and bred all these kinds except the Ayrshires, and would not spread half an inch in ten years, and his experience was that the Durham would give the animal would die of old age before that could more milk, in proportion to the food consumed, kill it. The idea that the large vein along the than any other breed. There is a prejudice against belly of a cow is the "milk vein," is equally them in New England, however. There are two erroneous, it being nothing but a canal from the tribes, as distinct as the Durhams and Ayrshires-front to the hinder part of the body, and dis-

Mr. Dodge, of Sutton, followed, and stated that for beef-large, square, and small milkers. North by the Patent Office returns, he learned that there Devons are popular in this section of country, were some 20,000,000 horned catile in the counand he would admit that, for all purposes, they try, which, at \$20 a head, would represent a were the best adapted for New England. The value of \$400,000,000. Add to this the horses, oxen are excellent, combining lightness, strength mules and swine, and we have a total of from and docility. He had never fallen in with an seven to ten hundred millions of dollars. Yet he Ayrshire cow that equalled her reputation, al- had not been able to find anything more than a though he had looked through many herds. They mere allusion in any President's message in reare not equal, as a whole, to the Devons. The gard to agriculture; and never any extended no-Jersey cattle are a breed which is yet to be more tice of this important subject in the Governor's extensively known in this country. There is no message in this State, until this year. As an ildoubt that they excel in richness of milk all other lustration of the want of proper surgery in the varieties]; but whether they are so good for the treatment of cattle, he stated that he once lost a farmer to buy, is another question. A cross of fine Devon heifer, worth \$200, from bronchitis, this with the best native stock would probably for which he could get no help. He had no doubt produce a very superior breed. The native stock but that the Devous, Durhams, Alderneys and he believed to have descended from the Devons. Ayrshires would perpetuate their qualities, and It stood high in his regard, and if he were about advised a cross with native stock. Mr. Dodge to purchase a single good cow, he thought he thought the State Board of Agriculture should should select a native. The great trouble with take in hand the matter of experimenting with native stock is, that it does not perpetuate its different breeds of stock, as it was too expensive good qualities. They are a cross of every thing, for individuals generally, and let the farmers reap

Dr. Dadd, Veterinary Surgeon, being called If he were going to start to-day to bring up a upon, made some very interesting remarks in rebreed of cattle, however, he should start with a gard to the diseases of animals, and their treatnative cow. In regard to the management of ment. The veterinary science, he said, had been cattle, much remains to be learned by farmers. too long neglected in this country, and for one Cleanliness is a great thing, not only for the ap- reason, because it has been practiced generally by pearance of the thing, but for promoting the men who had but little knowledge of anatomy, health of the animals and obtaining a good quan-physiology, and the laws of life, and therefore tity of milk. They should be fed, too, both in operated with poor success. They begin an ex-

amination of an animal by hunting for a "soft be the result. A horse taken with the cholic, place" in the tail, and failing in that, go to the which is produced by the gathering of carbonic other extremity, and examine the horns. If they acid gas in the stomach, which cannot find vent, find the horns hot, they say that the animal has cannot be cured by the ordinary remedies; by inthe "horn ail," and commence curious operations serting, with the help of instruments, a tube, a in boring the horns. But heat in the horns is passage is provided for the escape of the gas, and only a symptom of disease, not disease itself .- | the animal is relieved. When constriction of the Like the tending of the circulation to the surface neck or the bladder is the difficulty, of which seiin the human system, it indicates a want of equi- ence enables us easily to trace the symptoms, a librium. Sometimes on boring into a horn, pus cure may be effected by a similar course of action is exuded, and the operator immediately cries -letting off the urine with an insert d tube. "horn-ail." But this is nonsense. There is a Spasmodic cholera is scated on the muscles, but direct connection in the horns of animals with originates in the nerves, and consequently the nerthe nostrils, and this matter which escapes is vous system must be acted on. Cleanliness and caused by nasal gleets, or running of the nose, kindness in the treatment of cattle were urged by and should be drawn off in a natural way. Upon the speaker as points of much importance. the inner surface of the horn is a membrane, and Mr. Sheldon, of Wilmington, spoke upon breedif it is punctured by boring, a disease in the horns ing of cattle, remarking that he had been acwill be likely to ensue. Hollowness is a charae- quainted with most breeds, except the Alderney, teristic of horns in all cattle; there is a perfect and he was rather in favor of native stock. It channel, extending from the tip of the horns to is said that they will not perpetuate their good the nose. There is a disease of the brain which qualities, but the fault is more in the breeders sometimes destroys cattle. He had put his hand than in the cattle. He noticed that gentlemen into the brains of cattle after death, and found who advocated foreign breeds, recommended, after them as soft as sponge. This is owing to derange- all, that they should be crossed with the native ments of the stomach. There is a great degree stock. But if foreign breeds are the best, why of sympathy between the head and the stomach; strike a man a blow on the head, and it will make him feel sick; strike him on the stomach, and it will make him fall down from giddiness. Now this "horn-ail" is indigestion. The speaker related the case of a cow which was driven ninety miles, and on arrival home, was found to be suffering from constipated bowels. Her owner was on the latter. ignorant of the proper measures to be taken, and applied to his neighbors for advice; they recom- the comparisons made in favor of native stock mended some one thing, and some another. He were based upon rare specimens which were segave her, three days in succession, a pound of lected from lots of perhaps a thousand at Brightsalts, and these failing to produce any effect, 36 on, and therefore the comparison was unfair. drops of Croton oil, (enough to kill any but a sick Again, the object of English breeders was lost cow,) then a quarter of a pound of antimony, sight of. In England, the breeder aims at proand finally, a quarter of a pound of gunpowder. ducing the best animal for a specific purpose—as The animal died, and he found, on a post-morten for beef, milk or work—chiefly, however, for beef. examination, that all this medicine had passed The Durhams, Devons and Ayrshires will make into the paunch, and had consequently produced more flesh on the same amount of find than any no effect. If medicine is poured rapidly into a native stock. If we pursue the course which the cow, it will run directly into the paunch; but English do, we can get just what we want. Now if administered gently, the cow will be enabled we breed and buy without any definite object. to pass it away to the fourth or digestive stomach, Without concluding his remarks, Mr. Sprague, where it will operate. Horses, however, are so it being 9 o'clock, moved that the meeting adconstructed, that whatever is poured down the journ, and that the subject of Ferm Stock be throat is sure to pass into the stomach. Cattle continued next Tuesday evening. are subject to the same diseases as we are, and was seconded by Mr. Flint, and carried. should be treated in like manner, and with equal skill. We have a disease among cattle in this country, called pleura preumona, which generally takes the best of the herd. Veterinary science will tell the farmer to inoculate the diseased ones with the breath of the healthy, and a cure will young man, Mr. Leonard Burnhan, has attended

mingle them with an inferior stock? Why not keep them pure? He was unwilling to admit that foreign breeds are any more reliable than native stock, if it has been here twenty-one years. He spoke highly of Durhams, yet considered them inferior to natives, and expressed the opinion that we shall yet be obliged to fall back up-

Hon. Seth Sprague, of Duxbury, believed that The motion

two regular sessions under the instructions of Dr. the season; but at harvest time it showed very Dadd, of this city, and he showed by his answers plainly that it had had no manure. that he is quite at home in all scientific knowledge Wishing to try it in another form, I took some pertaining to the department of practice that he of the above mixture and added four parts of not have them long ago.

when their horses and other animals are sick, seinuse of the mite committed to their charge; but entific and practical veterinary physiciaus could not being posted in such matters, they put it in at once prescribe for them. Now in the whole direct contact with the roots of vines and plants, such physicians, while in the city of London alone was obtained from these sources. there are 360. But the ice is broken, and we

For the New England Farmer.

ON THE USE OF GUANO.

find any thing from that class of your correspond-ents who, about a year ago, were so anxious to know "how to use guano." Many are those who fessors for the market. There are but very few have made the inquiry, but those who have com- individuals who understand how to use guano municated the result of their experiments, are properly, and as few who understand how to avail only as individual cases. Now this is not right; themselves of what is within the reach of every know how we can do it to the best advantage— apply the same to their lands in the most proper that is, how to obtain the best crop with the manner. least expense. In order to do this, we need more light; and one way of obtaining this light, is by Worcester county, and one who, some would comparing the result of experiments made by think, saved all his manure, "that he did not others with those made by ourselves under sim- make and save more than half he ought to in the others with those made by ourselves unner same make and sace more than had be origin to it all lar circumstances; and if, in the summing up, shape of manure." But my thoughts have led it appears that such experiments have produced my pen astray, and I must give you a reason why the same results, it is so much light gained upon I have forced myself upon your notice, as an appear that particular point. The farmer, in all his ogy, and then close. As I read over the Farmer and efforts to improve his land, is to be guided by his Ploughman week after week, there seems to come own judgment; aided by observation, at home up no voice from this section to aid on the good and abroad, and by the experience and wisdom of others, so far as he is able to avail himself of them. This is why I would ask all those who at your disposal. If they shall see the light, and have made use of guano the past season to com-provoke others to better works, then my object is municate the result, so that we may be helping accomplished. But if you do not consider them each other to obtain that light which we all so worthy of notice, I will thank you for not exposmuch need.

which I paid \$2,00, and mixed, first, equal parts spectable society. of plaster and ashes, and to this I put one part guano. After my ground was plowed, I sowed this broadcast, and immediately covered it with a cultivator. I applied it to a square piece of land,

has chosen. All the gentlemen present seemed to loam. I then selected a single row through the be gratified, not only with the proficiency of this manured part of the field, and put about a spoonyoung man, but that we are, at last, beginning ful of this in each pile, for a part of the row, to have educated doctors of animals as well as of then omitted some, and so through the row, the human species. The wonder is that we did This, also, came up well, looked and grew well, and at harvest time showed plainly that "union In a country like our own, that is principally is strength." Being determined to have it tried an agricultural one, hundreds of thousands of dol- in various ways, I gave some of it to three of my lars might be saved to the farmers each year, if, neighbors, telling them to make the best possible country there are not probably more than a dozen so that life was at once destroyed, and no light

Now let all others who have used guano give shall soon have a supply of good horse doctors. in their testimony immediately, so that the case At the present moment there is quite a call for may be committed to competent judges, and the such doctors in such places as Springfield and verdiet rendered before the time of planting is Hartford, and to properly quallified young men a full upon us again. I am fully aware that if any field of usefulness and profit is opened. We be one decides against guano, he is placing himself lieve Dr. Dadd to be well qualified to prepare on the unpopular side of the question; yet I give young men for veterinary practice. - Ploughman. it as my own candid opinion, that it cannot be made to pay, in this part of the country, to buy it at the present price as a manure. If farmers, instead of sending abroad to buy manure, and thereby encourage speculation to their own hurt, would make an outlay of one-half the expense in Mr. Editor: -I have been looking every week making and saving the manures upon their own in the columns of the Farmer, to see if I could farms, they would obtain that which would be all of us who cultivate the soil, are interested to farmer, ready to be converted into manure, and

It was a remark of one of the best farmers in ing my weakness; and, while I endeavor to im-I will now give you the result of my own exprove my land, I will also labor industriously to periment with guano the past season, upon corn cultivate my own mind, so that, at some future mostly. I bought a small quantity of it, for day, I may be able to stand in the circle of re-AMPLIFICATOR.

West Brookfield, Jan. 25, 1855.

Remarks.—We hope the expectations of "Amplificator," and those of hundreds of others, will in all respects like the remainder of the field, except there was no manure put upon it. I applied the realized by hearing the result of many of those it at the rate of about 400 lbs. to the acre. My corn came up well, and looked well the first of statements be concise and directly to the point,

give us his name !

HI! G'ALANG!

Come, jump in, old girl, And away we will whiri, To contrast your rose check with the snow. O, ne'er mind the sleet-Tuck that round your feet-All right : Come, old hoss, way you go, Over the snow, Hip! hip! hurra! What greater delight On a moon-gilded night, With Bess at my side. Than a jolly sleigh-ride-Say?

I care not for Care, I can distance Despair, With a mag that's 2.40 and sound; "Mid laughing and kissing, Upset rearly missing, Away we bound over the ground. Through the bright snow, Hip! bip! horra! What greater delight On a moor-gilded night, With Bess at my side, Than a jolly sleigh-ride-Say?

For the New England Farmer.

CULTIVATION OF THE POTATO.

through your paper, some information on the cul-subsequently I paid another lecturer two dollars tivation of the potato, from persons extensively for explaining the mysteries of cornstocking and engaged in raising them for the Boston and New the benefits of high cultivation. Cheap enough! York markets. I am informed that this is the and there is no kind of manure or mode of appliprincipal business of many farmers in the southcation that has not its advocates. As to after ern part of this State, and that some of them cultur, some believe in hocing once, some twice plant fields of ten, twenty, and even forty acres and some three times, whilst others do not hoe at in a season. These who are thus extensively en-gaged in the business, it is to be presumed, have, Some do all their hilling at first hoeing, others from their long and extensive practice, and from reserve it for the last. And in harvesting there reserve it for the rast. And it is a reserve to the rast. And it i real difference that exists in one man's perform-serving the roots, indicate an unsettled state of ance of a piece of work over that of another; and opinion in regard to the production and general it is usually the case that in strict attention to management of the potato, which is probably matters, which in the abstract are considered tri-without a parallel in the production and disposal vial, that the most astonishing results ensue. Solof any other crop? And why all this diversity? far as my knowledge of potato culture extends. Is it because the potato is perfectly adapted to there is entire want of uniformity in every farm- all kinds of treatment, and that all kinds of culing community; and not only so, but there is tivation will eventually be rewarded alike? Or more diversity of opinion and of practice, in the is this lack of uniformity owing to a want of production of this root, than in the production of thought, of study and general knowledge, in any other kind of crop.

ground of heavy quality, to be plowed or thrown latter. With the mass of farmers in this couninto ridges of two furrows to the ridge, late in try, system, in the production of the potato, is the spring or early in summer, and deposite their by no means the order of the day, seed between the folding clods, whilst others. If the time shall ever come when the practice would certainly have plowed such ground during of farmers shall be more consistent with general

and we shall be able to give many of them. The would have cross plowed, harrowed and tho-subject is important. Why did not the writer roughly pulverised the soil. One preserves his seed for planting by keeping it fresh in the earth till it is wanted for use, whilst another smokes and dries it to a crisp. One plants large tubers, another small ones; and others again prefer halves, quarters, or single eyes. With one, science has demonstrated that every tuber has a head and face, and that it should be deposited in the ground with great care and in a certain position; with another, science is a humbug, and all such care is nonsense. That mysterious planet, the moon, looks down with a smiling face and proffers her bountiful gifts upon her faithful votaries; whilst others plant just when they get ready, regardless of her frown or favor. And how many kinds of potatoes there are that lay claim to superior qualities it would puzzle a Wall Street broker to determine. One keeps up the old practice of planting in hills, full four feet apart, and regards any innovation upon this aneestral usage with something like the same abhorrence that he would the demolition of a noble school-house and the crection of a new one, after looking downward and consulting the affairs of the pocket.

Another, General Barnum, for instance, of Vermont, would prefer planting in drills only 12 inches apart, with a space of only one foot between the potatoes in the drill. One makes use of the hoe in planting, another the plow, whilst a third pays his respects to the practice of the aborigines, that of depositing the seed in a hole made by a pointed stick. And as to manuring, why, a little more than a year since I paid a lecturer on agriculture a dollar and a half for tell-Messes. Entrops:-I would like to obtain, ing me how to raise crops without manure; and

regard to the utility and feasibility of one mode In preparing the ground, some prefer turf of operation over another? Most probably the

the preceding autumn, and, previous to planting, rules, it will be brought about, chiefly, through

the agency of reading, thinking, practical, matter man will bring to my stable, this winter, a heifer of fact men. It is the practice and experience of of the same age, that dropped her calf about the such men that I solicit through your paper. And same time, of any breed, born in any part of the in the mean time I may offer some remarks of a world, and let them be fed and milked just alike practical nature for publication on this subject. by one disinterested person, to be agreed upon by Bristol, Ct., Jan., 1855. C. Blakely.

edly able to teach most of us in potato culture. the American, springing from a race living and At a recent meeting of the "Concord Farmers, Club" the subject of potato culture was pretty gentleman whose word I have not the least reason fully discussed, and we believe all the practices to to doubt, from all the transactions I have ever which you have alluded were acknowledged to be bad with him,) the last time I saw him, stated to in use among the speakers. No persons, however, in that the mother of the heifer gave him 18 lbs. produce finer crops than these gentlemen, and month of June, last season. If any gentleman scarcely any two cultivate alike. They all agreed, should see fit to call and examine this heifer, I however, in one thing, viz: that small potatoes would caution him not to be surprised if she pro-(not the smallest) or large ones cut are better for duces more pounds of milk, in the month of Janseed than large whole ones. Please write us uary, than she weighs herself. often.

For the New England Farmer.

A GOOD COW.

Friend Brown: — Much has been said about Mackey, Berkshire and Suffolk hogs, and about good hog or a good cow, let their breed be what it

But have not the foreign breeds had the parlor long enough, while the natives have been shoved into the back-room? For thirty-six years I have been trying to produce the best heifer in the world ampton, Jan. 3d, the following officers were for dairy use, both by raising and selecting from elected for the coming year:—
other herds the best I could find, without regard Paoli Lathrop, of South Hadley, President; from my best cow. The best heifer I ever owned Chas. Fowler, Westfield; George Dickinson, Had-

year.

On the morning of the new year, we commenced milking her, and weighing the milk, and making butter, which proved as follows:

OHANTITY OF MILK

FIRST WEEK.		SECOND V	EEK.	THIRD WEEK.		
	Lb. oz.		Lb. oz.		Lb. oz.	
January 1,	26 - 8	January 8,	27 12	January 15,	25 - 4	
January 2,	26	January 9,	27	January 16,	25 12	
January 3,	27 4	January 10,	27 8	January 17,	26	
January 4,	23 0	January 11,	26 8	January 18,	26 12	
January 5,	27 8	January 12,	26 - 4	January 19,	29	
January 6,	27 - 4	January 13,	26 - 4	January 20,	25 12	
January 7,	24 13	January 11,	24 12	January 21,	24	
Total,	182 00	Total,	186 00	Total,	182 8	
	01	TANTITY OF	BITTI	er.	550 8	
First work 01 the						

Third week......93 lbs.

14 lbs. per week in June, provided she had calved same animal.

the parties, the owner of the heifer that produces the most butter in one month shall take both heif-Remarks.—Thank you, sir. You are undoubt- ers. Her breed I call "Improved Long-lived Na-

> Asa G. Sheldon. Wilmington, Jan. 24, 1855.

AGRICULTURAL SOCIETIES.

Hampshire County.

President—William P. Dickinson, Hadley.

Vice Presidents—Horace Henderson, Sunder-Durham, Devon, Ayrshire, Hereford and Alder-land: Cotton Smith, Amherst; George Chandney cows. All of these have had their day, and ler, Belchertown; Alden C. Field, Leverett: Ezall have more or less good qualities. I admire a ra Ingraham Amherst; Rodney Ayres, Granby. Secretary and Treasurer-James W. Boyden,

Hampshire, Hampden and Franklin.

At the meeting of this Society, held in North-

to name or breed, always raising my own bull for Vice Presidents, Ahira Lyman, Westhampton; 1 sold to D. D. Hart, Esq., Tieket-master at Boston and Lowell Railroad Depot, Boston. ley; Wm. N. Clapp, Easthampton. For Treaston and Lowell Railroad Depot, Boston. ton and Lowell Railroad Depot, Boston.

I now have a heifer, two years old last spring.

She dropped her calf on the 23d of December last, 1. Washburn, Northampton; for member of the making the calf eight days old at the end of the State Board of Agriculture, George W. Hubbard, of Hatfield.

HAMPDEN COUNTY.

For President—Francis Brewer, of Springfield. A. A. Allen, Secretary and Treasurer.

For the New England Farmer.

WEIGHT OF BONES IN ANIMALS.

Mr. Editor:—I wish to inquire if you, or any of your correspondents versed in animal physiology, can give the general average proportion which the bones of different animals bear to the whole weight of the animal. I have hitherto sought in vain for the fact in various works on Physiology; and if the subject comes within the domain of inquiries of interset to the agricultural community, I should be glad to learn the general fact; for it is not to be presumed that the question is one that can be answered very The quantity of butter produced by her, the definitely, because the relative proportion must first three weeks of January, I consider equal to vary very much at different times, even in the Yours, &c., Phineas Ball. n May. Her recommendation is this; if any | Worcester, Feb. 5, 1855.

SHORT-HORN DURHAM BULL.



A SHORT LECTURE ON EXTRAVA-GANCE.

"A little house well filled."

New England people pride themselves on their sober good sense, especially as applied to the art of living. They flatter themselves that they know how to make the most, and the best, of their condition, and means. And the southern or western man sometimes sneers at our cute calculations for saving our money. Yet we are bold enough to our friends, and no lumber room of a garret, for say, that in many particulars, New England men, ghosts and rats and mice to inhabit. The thouaye, New England farmers, are the most extrava-saud dollars which even careful men generally gant people in the world. We intend to speak to expend, in building "a house to live in," merely that class of our farmers, who are owners of the to conform to fashion, or an architectural whim, farms they till, and who are ambitious to live in costs the poor wife and children many a lecture as good style as other people; not to the poor upon penny economy which might otherwise have and destitute, but to the substantial, solid citizen been spared. farmer. "The farmer extravagant?" we seem to hear echoed and re-echoed, on every side. "Do too large for your wants, the evil is but just comwe not work early and late? Do not our wives menced. Your large and numerous rooms require give their whole time to labor,—do we not con-large and numerous carpets, and curtains, and stantly study economy, and talk economy, and sofas, and other adornings. But this is not all, save every cent that can possibly be saved?" Per- nor the worst of it. The house and the furniture haps you do all this, our friend and brother. I must be taken care of swept and dusted daily, Almost every man works too hard, in New Eng-and scrubbed and scoured Spring and Fall, when land, and has too little leisure, and a great many house-cleaning time comes round. You must eithmen are continually preaching economy, and ma- er pay for help to do all this, or what is perhaps king their families uncomfortable, by complain-more common, allow additional burdens to fall on ing that their expenses are too great, and that your wife, who has already a ceaseless round of they cannot afford to eat, and drink, and wear, cares. A sensitive, or even a just man, should what is proper and decent, when the fault is en-see that, in this land, where servants are an extirely their own. Let us name some of the par- pensive luxury, at best, his wife have comfort and ticulars in which not only farmers, but most oth-leisure, and a selfish man may soon learn that he ers, who have homes of their own, live extrava-cannot lead a peaceful and happy life with a wogantly; that is to say, live beyond their means- man who is over-run with hard work and family live in a style that rather detracts from, than pro- cares. We think, if our reader himself is not motes, the comfort of the family.

have, usually, one or two rooms that are merely will apply. for show; a parlor, perhaps two, with folding doors between, that are only open for company, household furniture. The ladies must come in that are too nice for children to play in, too large for a share of our lecture on this topic. The furto be warmed readily in winter, in short, like a niture of a house is mainly for use and comfort. dandy, too nice for anything useful. And then, Carpets and sofas and chairs and tables are chiefoften, there is a part of the house unfinished, a ly designed to promote warmth and quiet and large attic, which might accommodate a small physical enjoyment in some way. A carpeted family, occupied now by a few old boxes of white floor is warmer in winter, and the children make beans, and a few bunches of catnip and penny-less disturbance on it than bare boards; and beroyal, and some broken chairs and a cradle. This sides, they require much less labor to keep them upper story was probably put on because you in nice order. Let comfort then be regarded, prinwanted a house as large as your neighbor's. Now cipally, in selecting furniture. We live in the a house should, in some measure, fit a family, as country, and it is not only unnecessary, but aba suit of clothes should fit an individual. Al-solutely in bad taste, to furnish our houses like though it is not, perhaps, always safe to count fashionable saloons in the city. It halicates no your children before they are born, and therefore refined taste, only that we have, or have had, mothe capacity of your house must often be by esti-ney, if our rooms are filled with tapestry and mation, yet everywhere are houses going up, with marble and black walnut. Mr. Rosewood, the

part of the room is to be useless, either kept for an annual party, or to remain unfinished. If we, who plan and build such houses, would reflect upon it fairly, we should see that no rational man would entertain for us any more respect, for living in a house, which we do not fill, than for wearing a suit of clothes made for a person of twice our size. Let us have "a little house well filled," with no spare room except a chamber for

And when you have built or purchased a house open to censure in the particulars named, he may Our houses are too large, and too costly. W_e find plenty of his neighbors to whom our remarks

And then, again, we are extravagant in our the perfect understanding that a considerable furniture man, will fit out your house in magnititled to all the credit of the show, after all.

house itself, and between the house and its furniture and surroundings, this is what you do not may visit the inmates, in the morning, bringing duction of Mr. Hovey's Seedlings. health and cheerfulness, without fear that it will will reward future efforts to obtain valuable and fade the brilliant colors of the silk and velvet. native varieties of fruit; and they point to the If when your house is built, and thus furnished, fulfilment of the prediction of the celebrated Van you have money to spare for articles of mere taste for that the time will come when our best and luxury, the world is full of books and pic-the following sage coansel to his correspondents, tures, and a thousand other things, which will to whom he had sent trees: "Sow your seed afford to a refined and cultivated mind far more and persevere without interruption, and you will rational enjoyment than a whole warehouse of obtain even better fruit than mine. gilded mahogany.

On the whole, we think the ambition which is into embarrassments and discomforts, which as a thoughtful and rational people, we ought no lon- of that gentleman and the celebrated Esperen. ger to suffer.

AMERICAN POMOLOGICAL SOCIETY.

Through the polite attention of the President of the Society, the Hon. Marshall P. Wilder, copy below, from the President's Address at the ments without success, for fifty years. opening of the Session, that part of it which rethe seed of the finest varieties, selected those of finite adopted to a varieties of finite adopted to a varieties or to appear fruits adapted to purificular localites, or to general ing arrived at the highest state of perfection, must cultivation. Of or extracts will be given under deteriorate, while an inferior one would improve the head Harticulture, in our next number, to by successive reproductions. He also held that gether with notices of Reports from different hybridization tended to degeneracy and imperfectates on the subject of growing and preserving feet variety necessarily deteriorates, and also overfruits.

the importation of foreign varieties, in many in- which he speaks, may result from natural imstances not well adapted to the countries from pregnation by the pollen of other varieties conwhich they come, and often still less adapted to veyed by the air or insects, and therefore that our soil and climate, suggests the importance of the seed of a good varie y may produce either a laising from seed, native sorts which, in most in-better or a worse, and that of a bad either a stances, possess peculiar advantages. It is now worse or a better. generally conceded that the trees and plants of a Mr. Knight's system of obtaining new and imgiven country, like its aboriginal inhabitants, will proved varieties, depended entirely on hybridiza-

turned to this subject by some of our horticultu- seets and the wind; but it has the merit of de-

ficent style, if you will only furnish the cash.— ral journalists, and that many cultivators and He knows the fashions better than you, and is enpromising department. The success which has crowned their exertions affords great encourage-But a nice perception of the fitness of things, ment to perseverance. Witness, for instance, which is good taste—the faculty of producing har-thirty or more varieties of the cherry, by Dr. mony between the occupants of the house and the Kirkland, of Ohio, which appear a lapted to our house itself, and between the house and its furnicastern climate, and some of them of superior excellence. Witness the numerous varieties of the raspberry, by Dr. Brinckle, Ex-President of this buy at the upholsterers, this is beyond price, and society, of which, some have endured, without a matter, madam, in which it is your province to covering, the severities of the last winter in the exect. Let the furniture say, as plainly as things New England States, and which also promise to can speak, this house is for the comfort of those be valuable contributions to American pomology. can speak, this house is for the comfort of those In addition to these, how many new varieties of who live inside of it, and not for mere callers and the apple, the pear, the plum, and the grape strangers. This carpet is not too good for the have recently been added to the list of American children to roll on, this arm-chair will not be fruits. How many new and excellent varieties soiled by being occupied, and the bright sunlight of the strawberry have appeared since the intro-

These are sure indications of the success which fruits will be derived from seedlings." He gives

Among pioneers in this department, I am happy to notice a gentleman, (now residing among us) the pupil and friend of Van Mons, one who so common among all classes, to live in large has adopted our country as his future home, and houses, elegantly furnished, is leading us daily who has already transplanted to our soil many thousands choice seedlings of the pear which have come into his possession from the collections

> As to the best method of producing fine varieties from seed, the opinions of distinguished po-

mologists are not uniform.

Dunamel, among the French, from causes which seem to us irreconcilable with nature and we have before us a copy of the proceedings of experience, entertained serious doubts of the the third session head in the city of Boston on the and valuable varieties from seed, especially of 13th, 14th, and 15th of September, 1854. We the pear, because he had tried various experi-

Dr. Van Mons, of Belgium, instead of saving looks the fact observed by other distinguished "The immense loss to American cultivators, from men, that the improvement or deterioration of

flourish better at home than in most foreign lotion or artificial impregnation so lightly esteemed calities.

by D. Van Mons. This is somewhat difficult to We rejoice that public attention has been practice on account of natural fertilization by in-

with very particular attention may yet prive as applicable to the native as to the foreign fruit available for the improvement of our fruits as it of a country? has for the production of fine varieties in the vegetable and floral kingdom, or as the correspond-rieties of the apple and other fruit as durable domestic animals

menting upon this practice, justly remarks—"All experience shows that in every kind of created thing, be it man or beast, or bird, the mysterious principle, called life, remains during the world of existence while period of existence while the man or beast, or bird, the mysterious principle, called life, remains during the whole period of existence while the man of the ma whole period of existence what it was at first, If vitality is teeble in the beginning, so it remains. Weak parents produce weak children, him we believe this theory as applicable to the vegetable as to the animal kingdom. May not a disregard of this doctrine account for the great liage 1 Is not the theory we advocate as important in the production of fruit trees, as in the raising of cereal grains! The skilful agriculturist saves the lest seed of his various crops, herds for breeders. Why should not this law of reproduction regulate the practice of the pomologist as well as of the farmer? Has the Allwise and Infinite enacted several laws where one

age, and after a variety has reached its perfection, there seem to be some exceptions. From Labors "their works do follow them." the accounts of oriental travellers, may we not believe that the grapes of Eschol are as perfect now as when the chiefs of Israel plucked their rich clusters three thousand years ago?—and that the same variety of the fig. the olive, and the pomegranate are as perfect in Syria to-day the day when the red men of the forest refreshed themselves with fruit from those vines, and

pending on a traly philosophical principle, and a word, whether this doctrine of deterioration is

ing principle has in the crossing of the breeds of and far more valuable than those which have omestic animals.

The results of Mr. Knight's experience disprove and Stuyvesant Pears? From meteorological or the tendency to degeneracy, masmuch as many other causes, which we do not at present underof his fruits, obtained by hybridization, are stand, particular varieties may deteriorate in a among the most durable and hardy varieties, as given locality, for a season, and afterwards rethe Eyewood and Dunmere Pears; the Black vive; or, they may show signs of decay in one Eagle and other Cherries. Many cultivators, as Esperen, Bivort, Berck-|mote, as the White Doyenne, which has been mans, and others, both in this and foreign coun- considered, for many years, by some in this vitries, have sown seeds in variety, and have obtained some valuable sorts. But I am confirmed eral places in Maine, New Hampshire, Vermont, in the opinion, that the best means of producing and other States. Fruit-bearing may exhaust new and excellent varieties, saited either to gentual entities of the tree, and hasten decay, eral cultivation or to particular localities, is to but still the variety may remain. We have, plant the most mature and perfect seed of the most among fruit trees, no example of longevity equal hardy, vigorous and valuable sorts; on the gen- to that ... the new Taxodium, found in Califoreral pathological principle that like produces nia, supposed to be three thousand years old. like, and upon the conviction that immature Our object is not to controver the opinions of seed, although the embryo may be sufficiently those who believe in the running out of varieties, formed to vegetate, yet not having all its elements in perfection, it will not produce a vigor-dred or one thousand years, but to enforce the ous and healthy offspring. Dr. Lindley, com-importance of raising new varieties from seed,

NEW HAMPSHIRE AGRICULTURAL SOCIETY.

We have received the volume of the Transacand their children's children are weaker still, as tions of the New Hampshire Agricultural Society, imperial dynastics have sadly shown." With for 1855. This volume is well got up, and filled, With for 1855. This volume is well got up, and filled, from beginning to end, with interesting facts and suggestions. The various reports, essays and number of feeble, sickly, early defoliated trees communications which it contains, partake in a often found in our grounds by the side of those very marked degree the character of the people that are vigorous, healthful, and persistent in fo-off the Granite State; they are eminently practical. The volume contains copious extracts from the speeches made on the occasion of the annual meeting. These speeches were not dull, prosy and selects the best animals from his flocks and affairs—speeches made against time—but they exhibit a life and fervor that must have stirred the souls of those who were fortunate enough to hear them. The affairs of the society are eviwould subserve the purpose?

To the doctrine of Van Mons, and other dismen who have undertaken the not easy task of men who have undertaken the not easy task of Naw tinguished writers, respecting deterioration by making their mark on the hard soil of New labors, "their works do follow them."

THE GRANITE FARMER.—This paper—the only agricultural paper, we believe, in New Hampshire—is a large and handsome sheet, and pubas in the period of David and Solomon? It is lished weekly at Manchester, at \$1,50 per an-worthy of inquiry whether the native grapes, on num. It takes earnestly hold of the great work the banks of our rivers, have deteriorated since to be done; has active and intelligent Editors, and practical, judicious correspondents. It would whether the orange, the lemon, the bananna, and not only be a matter of profit, but it seems to us the fruits of southern latitud's, evince any more to be the duty of every farmer in New Hampshire signs of decay than they did centuries ago? In to do something to sustain it by subscription and

most useful meetings that are taking place in New England, and we only regret that our space will not permit us to spread their reports before the reader. Hillsboro' county gives examples worthy of imitation by all.

For the New England Farmer.

THE BRAIN FEVER.

Of all fevers to doctors known, The worst infects the brain; And he who has this dread disease, Is seld-an well again.

Although the patient long may live, Nor be confined to bed; Yet ever and anon you'll say. 'There's fever in his head.

Sometimes he'll rave for shiny gold, From Sacramenta's breast : And oft he'll start for Oregon, To get him farther West.

In Yanke-1 a.d. where summer's hot, And winter cold and drear, This fewer cans in madness on, Through each successive year.

Some spend their silver and their gold To buy Sharshai Leos, While stions o'm se the Bolton Grev To fill their finey pens.

But the worst form this fever takes, Amount the finact band, Is purch, sing special manure $T_{\rm P}$ fertilize his land.

For he can buy Guano cheap, If purchase I in the full; And he for a magnerd, wet manure, Levill not pay to haul.

No compose heaps are round his barn, No muck spread in his yard; No wonder that that off he thinks The farmer's I t is hard.

I laid me down and took a nap, Nor woke for ten long years; T. of tree r sac eith drooping heart, His wiff was bached in tears;

A poor old cow, with stinted calf, Was watching round the barn; A pix was squading in the pen To get one car of corn.

His house did sadly need repair-The panes were stuffed with rags; His barn-yard shed was covered o'er With old Guano bags !

The farmer's fewer now has turned,-A ruined man is he; For if he should survive, he'll show Signs of insanity.

Westford, et., Jan., 1855.

SAT-SAT-SAK-SIS.

11th inst., the following gentlemen were elected than one that gives but 4 quarts a day for the officers:—President—Fred'k Holbrook, of Bratyear is worth \$25, though it may not cost more tleboro'. Vice Presidents—Edwin Hammond, than \$40 to keep the latter. It must be evident,

contributions to its columns; and when they Henry S. Morse, Henry Reyes, Solonon W. Jewhave done this, they will be all the better able to ett. Corresponding Secretary—J. A. Beckwith, take another paper out of their own State. Our Cummings, of Middlebury. Recording Secretary—Charles New Hampshire friends are holding some of the Seymour, of Vergennes.

For the New England Farmer.

PRODUCTION OF MILK.

EXTRACTS FROM AN ESSAY READ BETOLE THE CON-CORD TARMERS' CLUB.

BY MINOT PRATT.

* * * In the little investigation I have been able to give this subject, nothing has been more strongly impressed on my mind, than that the wisdom of the fathers, and of the brothers too, as exemplified in theories of agriculture, needs to be very carefully sifted by every one, before he makes it a rule for his own government. And even theories which, in their origin, have a strong foundation in truth, and as applied to the circumstances that gave them birth, are really and indisputably sensible and valuable, must to a great extent be modified to adapt them to the peculiarities of our own circumstances. For instance, in the matter of milk: Mr. A. may turn his attention to the making of milk for the Boston market. He selects a stock of cows that will give the largest quantity; he gives such feed as will cause the milk to flow like nater, I almost said—at any rate, it flows abundantly, and of such quarity as ought to satisfy any city customer, even the most enthusiastic admirer of thin milk, without any addition of the fragrant waters of the Cochitnate. This man succeeds in his object. His stock, his mode of feed, do what he wants them to do, and he can strongly recommend them to his friends. Now Mr. B. comes into the neighborhood, intending to turn his attention to the making of butter. He has read of Mr. Somebody who obtains a pound of butter from 4 quarts of milk. He thinks to binself, "What man has done, man may do." He becomes acquainted with the great flow of milk from Mr. A.'s stock, and proceeds at once to get some of the same breed, and feeds in the same way. The milk comes, is daily put away in pans of the newest style, in a milk room built after the most approved pattern. But the cream is thin; and as to the butter, dividing the number of quarts of milk by 4 does not give the number of pounds correctly. This man does not succeed. His stock, his system of feeding, are not adapted to a complish his intentions, and they are not profitable to bim.

But the question of chief importance to us is, by what means available to common farmers, can the quantity of milk be increased, or its quality improved, so as to make its production more profitable. I shall not needle with the question, which is the best breed of cows? Where the doctors disagree so widely, I may be encused from offering an opinion. But I have no hesitation in saying, get the best cows you can, of whatever breed, even if you are obliged to pay a good round price for them. A cow that will give an aver-Vermont State Agricultural Society.—At age of seven or eight quarts a day for the whole the annual meeting held at Middlebury, on the year, on feed that costs \$60, is better worth \$75,

going dry. It might not be profitable, on the rately as possible, whole, to reduce the quality of their feed very. Ist. How much good English hay will it take much; and if we allow them one ton of English to keep a cow, giving milk for the six winter and one ton of meadow hay, and thus bring the months? winter feed to a cost of about \$30, perhaps we of keeping a cow on hay and grass will not come pense? much short of \$40. Possibly it might slightly exceed that sum. An average of 4 quarts of milk carrots, parsnips, beets, turnips, be raised and a day for the whole year, or 1460 quarts, at 3 profitably used for a feed to mileh cows? cents a quart, will pay \$43,80. This would allow but \$3,80, for interest on the value of the cow, its cost of production, will produce most milk? and for depreciation,—and the manure is supand for depreciation,-and the manure is supposed to pay for the care of the animal. So, to make the business profitable, we must either re- feeds. ceive a higher price for the milk, or charge our-

change back to mild, increases it again.

and the spirit of the remark may be as applicated, shaded plants. ble to the physical well-being of cattle, as to the spiritual well-being of man. For the production of milk, I have not much faith in carrots; but there seems to be strong testimony in favor of parsnips, beets and turnips. A hundred bushels HOW TO MAKE GOOD BUTTER IN FALL for each cow would save much hay, besides adding largely to the quantity of milk. We often hear that turnips will make themselves remembered in the milk; but I have fed them freely freezing as little as possible until the cream is this winter—a half bushel a day—and have not taken off. When churned, warm the cream as butter. Years ago, I was told that if turnips the flavor would pass away before the next milk, and strain into the churn with the flavor would pass away before the next milking, and the same absence of flavor has resulted. When warm is new milk, and strain into the churn with the cream through a cloth; when churned, the butter will be nearly as good as when made in and the same absence of flavor has resulted. When warm weather.

Wandstock Vi. Lam. 1855 quantity of milk is desired, I am disposed to be-

however, that the market cannot be supplied from lieve that turnips and beets of the different varicows of the first class only; and it behooves us to eties are preferable; to improve the quality, I inquire what sort of feed given to such cows as would give carrots and parships. But in this, I we can get, will most economically produce milk. do not desire to be understood as speaking with From the best guesses I can make, I believe a cow any great degree of authority, as one who knows, will eat about two tons of English hay during the It seems to me highly desirable that a series of winter. At present prices, this is worth nearly thorough and carefully conducted experiments \$40. The expense might be considerably reshould be tried by some competent person, who duced by feeding for a portion of the time with would not be hampered by any previous theofodder of less market value, in the case of cows ries of his own or of others, to ascertain as accu-

2. Is it more expensive to feed partly on grain, make it as low as a wise economy will permit, cob-meal, shorts or oil meal? If so, is the in-Then add the summer feed, and the annual cost crease of milk sufficient to pay the increased ex-

3d. Can either, or a variety of the root crops-

4th. Which of these roots, in proportion to

6th. The comparative economy of different

In regard to the *summer* feed of cows, it seems selves with a lower price for the hay. For a win-to be highly desirable for those whose pastures ter cow, I presume the increased price of milk are not to be relied on for the whole season, that will pay the necessary increase of cost for feed, preparation should be made by some cultivated so as to bring the profit or loss to about the same crop to furnish an ample supply of green food figure. If you can get cows that will give more during the season, which is so likely to cut short milk, then of course you may make a more de-the feed on our upland pastures. For this purcided profit; but I believe more cows come under pose, on account of its great productiveness and this estimate than over it.

In the economical manufacture of milk, it is the Southern flat corn. Perhaps oats, barley, a matter of great importance to have a warm clover, of equal weight, would give more milk; barn. My own is not of this character; and I but so much larger crops of the corn can be obconsider my milk-pail a pretty good thermometer, tained, that it seems to be entitled to a decided A sudden change to severe cold weather, very per-preference. But I would for summer as well as ceptibly diminishes the yield of milk; and a for winter, have as great a variety as possible; for cows as well as men, dislike to be confined for I have no doubt that a liberal supply of the a long time to one article of diet, however palroots, carrots, parsnips, the different varieties of atable it may be at first. In sowing corn for beets and turnips, would be a means of economy this purpose, judging from my own limited and in feeding cows. With these, not only will less imperfect experience, I am inclined to believe that hay be eaten, but cows will have an appetite for too much seed is often used. Where the plants hay of a poorer quality than they would other-are very much crowded, the stems lack that rich wise willingly accept. Though some of these sweetness which we find in them when they have roots are undoubtedly more nutritious than oth- more room, and a freer exposure to the sun and ers, I believe it better to have a variety, and not air; and my own cows more readily eat the sweet confine the animal to any one kind. It was wise-|coarse stems that have had room enough, than ly said of old, "Man shall not live by bread alone;" the smaller but insipid stems of the more crowd-

Concord, Feb., 1855.

For the New England Farmer.

AND WINTER.

Seald the milk when strained, and keep it from

Woodstock, Vt., Jan., 1855.

For the New England Farmer.

LUNAR INFLUENCE---No. 1.

FRIEND Brown :- I have for a long time been desirous to see the influence of the moon upon terrestrial objects, written out and explained for the benefit of those who are ignorant of it. Failing, however, to see an article upon that subject, and ten years of age, in Waukesha, Wisconsin, and thinking instruction in a branch of knowledge so intimately connected with vegetation, and with we give it just as he wrote it, with the exception many of the manipulations of husbandry, as this of adding the heading, and a single letter in one is said to be, should be circulated as widely as of the words. This boy, and the sister he speaks possible amongst farmers, I have undertaken to of, are under the right training, to become useful point out some of the more noted effects of our satellite, based upon the "observation" of certain very obscrving individuals.

I will first notice its effects upon vegetation, and upon some kinds of farm labor. In the time of full moon, and sugar-makers are duly apple, with a description. full." Peas must be sowed "on the full moon," though some people think it best to sow them on them from shrinking by drying. Apples must be on a common apple seedling. picked on the decrease of the moon, otherwise If any one would like one of these pretty trees, bruised places will rot. Some say wood and timcut in mid-winter is best, at any rate the moon must ought to be sent soon. be consulted. A neighbor informs me that he once knew a man who had a particular time in the write you how to make nice sauce of the apples, moon in which to build rail fence!

It is said a potential influence is also exerted had better wait till you get the apples. upon the condition of animals intended for meat. If you would have your pork "spend well," kill your hogs upon the increase of the moon, other-learned to bud last summer, and will learn to wise it will shrink in cooking, and the fat will all try out. Admitting this, would it not be well Farmer I can understand. for the Legislature of each State to enact a law requiring all people who raise pork for market, to kill their hogs during the first and second quarters

of the moon?

Again, if you have bushes or thistles to cut, it must be done at the time of full moon, and you

are certain to destroy them.

All these, and many more whims of a similar nature, are unworthy of belief in this enlightened age, yet there are those who pertinaciously believe in signs, wonders and witches, only because they have no inclination to learn a few of the

simplest laws of Nature.

Now, ye observing sages, answer, if ye can, a few plain questions. In what manner is this lunar influence exerted on plants? If they are more easily killed by cutting at the time of full moon,-which I doubt,-why is it? Does the full moon eause the sap to flow more abundantly in spring than it does at the change or quarter? If so give us the reason. We all know it sometimes fails, hence moonshine is not a certain cause. Which has the greater influence on meat, the moon or the food upon which the animal is fattened?

enumerating some signs, and producing statistics to disprove their validity.

Bloomfield, C. W., 1855.

EXTRACTS AND REPLIES.

The following letter is from a little boy only we give it just as he wrote it, with the exception and distinguished persons. We wish there were more like them.

AMERICAN CRAB APPLE TREE.

Mr. Editor: — Some time since I saw in the spring it is asserted that sap flows most freely at N. E. Farmer an engraving of the American crab the time of full moon, and sugar-makers are duly apple, with a description. We have a great manotified to prepare for a good run of sap "on the ny in our woods; my father says they do not

grow in New England.

It is a small but handsome shaped tree, and the earth. Onion and most other kinds of garden would look pretty in a door-yard. The flowers seeds must be sown on the increase of the moon, to are beautiful, large, pink, and so sweet they perinsure a plentiful crop, and all kinds of roots and function that follows the same than the Sibeherbs must be gathered before the full, if you rian crab. It does not get ripe till mid-winter, would preserve their medical properties, and keep then it is a greenish yellow. They can be grafted

ber must be cut at the time of full moon in mid-me a plain direction; and if they enclose a stamp summer to render it durable; others say that fuel I can prepay the postage for them. The scions

My sister, who is younger than I, wants to as she has helped me prepare them. But she

My sister and I have a nursery and garden, and we are trying to raise new kinds of fruits. I graft this spring. I like to read anything in the

Waukesha, Wis. HENRY W. HANFORD.

HOW TO RAISE CARROTS.

I wish to inquire about raising carrots. I have a lot of sandy foam, which I intend to have planted to carrots, turnips, &c., the coming season. I purpose to put on the lot, (about an acre.) 100 bushels leached ashes, 4 cords rich manuré, if I can get it; but if not, I think of trying guano adhere to the tradition of their ancestors,—who with the ashes. I would like to get your views respecting it,-how much guano should I put on, and how shall I apply it to the soil ! I wish you would give directions as to the management of said crop throughout, as fully as you can.

Scituate, Jan., 1855. JEREMIAH POTTER.

Remarks.—Drain thoroughly, if water ever stands upon the land, even if it is a "sandy loam." Manure the surface before plowing as liberally as you can with such barn manure as you have, and plow it under eight or ten inches; then add fine composted manure, or not having that, 300 lbs. of guano per acre, pulverized and sown broadcast, and cultivate, harrow and rake until the surface In my next I shall notice the lunar influence is fine and pretty smooth. Sow with a seed sowupon the weather, referring to the popular belief, er, having a boy hitched on forward to assist, as

you will sow an acre in about half the time with the aid of the boy, and get the seed in at a more they will stand three or four inches apart.

success will depend first upon the condition in which you placed the land before sowing, and, secondly, upon the manner in which you tend the crop. If weeds are entirely kept down, and the the crop of the species, and to crop of the species of th surface is stirred as often as once in every ten or would be unwise to apply the same cultivation to fifteen days—especially if the season is a dry one the peach and the cherry, as to the apple and the —you will rarely fail of obtaining at the rate of pear, or to treat any of these on new and fertile -you will rarely fail of obtaining at the rate of grounds as in old and exhausted lands. from six to twelve hundred bushels per acre. The influence of soils is remarkable. But by crop will not depend so much upon the season as these we do not mean the identical spot, the arupon the plowing, manure and attention you give tificial bed in which the tree stands; for, in time, it yourself.

common hoe required.

TENACITY OF TURKEY LIFE.

a tree, in a snow storm in December. She did not soils in Belgium; while with others, and with thaw out of the drift under which she was cov-us, it is generally inferior. ered till March, but came out alive, lived, and raised up a good brood that year!

THOMAS GOODWIN. South Berwick, January, 1855.

VITALITY OF GARDEN SEEDS.

year old? D. Childs.

seasons, and properly preserved. Parsnip seeds American peaches grown in the gardens at Chisquite often fail, but we have used those two or wick. England, only two were adapted to the three years old, when they came up well. Gar- climate. den seeds should be gathered a little previous to trees, a diversity of opinion prevails. All agree stance—and hang them in sheltered places for a produce growth, elaboration and perfection. To and perfect. Then they should be rubbed ont, We submit whether this is not a difference in and placed in boxes or bags, and their names and language, rather than in principle; for by special date of raising legibly marked upon them. If fertilizers, the first mean simply those which cornot all used the first year, you will then know their age. Seeds thus put up should be placed manures which contain those elements? And do in some dry place, of as equal temperature as is they not, in practice, affix the seal of their approconvenient—such as a closet in the centre of the bation to the theory which they oppose! Exhouse, or in chests in the attic, chamber, or work- plode this doctrine, and do you not destroy the

AMERICAN POMOLOGICAL SOCIETY.

In our last, we gave several paragraphs from uniform depth. Make the row 16, 18 or 20 inch-the opening Address of the President of the Ameres apart-in our own practice we think 16 inches ican Pomological Society, at its session in Sepabout right. As soon as the plants appear-or tember, upon the production of new varieties even before, if any weeds are seen—pass between of fruit from seed. We continue the subject by the rows with the wheel hoe, and when they are presenting some brief extracts from the same an inch or two high, thin them in the row so that source, upon the arts of cultivation, and the preservation and ripening of fruit.

The plants now being up and thinned, your "The absolute necessity of proper preparation,

the roots take a wide range in search of food. The use of the wheel hoe will save half the laonly in their original locality. Some succeed bor of cultivation which the old mode with the best on light, loany, or sandy soils; others, in stiff clayey soils. In the latter, many pears, for instance, the Beurre Bose and Napoleon, are astringent, while in the former they are entirely TENACITY OF TURKEY LIFE. free from this quality. The Beurre Rance, in When I lived at my father's, some forty years England and in some parts of France, is the best ago, they had a turkey blown from her roost on late pear. So it is, also, in some parts of the

The flavor of fruit is much influenced not only by soil, but also by climate and meteorological agents. Thus, in a cold, wet and undrained soil, disease commences in the root; and, as a natural consequence, the juices of the tree are imperfectly elaborated, and unable to supply the exigency of the fruit. Even injurious substances Will you state in your columns what garden are taken up. A plum tree has been known to seeds will come up when they are more than one absorb oxide of iron, so as not only to color the foliage, but also to exude and form incrustations on the bark, and finally to kill the tree. As an REMARKS.—Most seeds will vegetate when more instance of climatic agency, it is sufficient to than a year old, if they were gathered at right report the fact, that out of fifty varieties of

In relation to appropriate fertilizers for fruit full ripeness, and a good way is to cut up the that certain substances exist in plants and trees, plants—the best parsaip, earrot and onion, for in- and that these must be contained in the soil to week or two, when the seeds will become plump termed special manures; others ridicule the idea. shop, where they would be quite likely to remain principle of manuring and the necessity of a rogood for many years. tain ingredients, and, like animals, must have

community is: How shall we ascertain what ferever to recume the ripening process. Experience tilizing elements are appropriate to a particular proves that for the common varieties of the apple species of vegetation? To this, two replies are and p ar, about forty degrees of Farenheit is the rendered. Some say, analyse the erop; others, temperature best suited to hold this process in the soil. Each, we think, maintains a truth; equilibrium. and both together, nearly the whole truth. We need the analysis of the crop to teach us its ingredients, and that of the soil to ascertain require different degrees of moisture and heat, whether it contains these ingredients; and if it according to the firmness of the skin, the texture does not, what fertilizers must be applied to of the flesh, and the natural activity of the juices. supply them. Thus, by analysis, we learn that Thus, some varieties of the pear will ripen at a nearly one-quarter part of the constituents of the low temperature and in a comparatively dry atpear, the grape and the strawberry, consists of mosphere, while others, as the Eastern Beurre, are potash. This abounds in new soils, and pe-culiarly adapts them to the productions of these. Some varieties of the pear, ripening with diffifruits, but having been extracted from soils long culty, and formerly esteemed only second rate, under cultivation, it is supplied by wood-ashes or are now pronounced of excellent quality, because potash, the value of which has of late greatly in-the art of maturing them is better understood. creased in the estimation of cultivators.

tained. The principle has been settled that the scientific knowledge as to require great attention ripening process can be controlled. Autumnal and eare; and, until its laws are more fully defruits have been kept and exhibited the succeeding spring. We have seen the Seckel, Bartlett, and Louise bonne de Jersey pears in perfection in January, and even later. The maturity of fruits depends on saccharine fermentation. This is followed by other fermentations, as the vinous and ascetous. To prevent these, and preserve fruit in gest other felicious illustrations of the principles of the though the principle is doubtless susceptible of a cultivation, eternal rigilance is an indispensable more extensive application. Fruits, designed to condition of success." be kept for a considerable time, should be gathered with great care some days before the ripening process commences, especially summer pears. A summer pear ripened on the tree is generally inferior. In respect to the latter, Mr. Barry, by Dr. Hawks, before the Geographical Society of editor of the *Horticulturist*, has so aptly expressed by Dr. Hawn my own sentiments, that I use his language. New York:] 'The process of ripening on the tree, which is the

their appropriate food. All know how difficult which produce it, can be admitted or excluded at it is to make a fruit tree flourish on the spot pleasure. It is possible, however, to preserve the from which an old tree of the same species has temperature at so low a degree and for so long a time as to destroy, especially with some varieties The great practical question now agitating the of the pear, the vitality, and therefore all power,

But so many experiments have been tried, or There is but one other topic to which I will adare in progress, and so much has been written on vert,—the preservation and ripening of fruit. Much progress has been made in this art within large except to say that the art of preserving and a few years, and important results have been at-ripening fruit in perfection, involves so much tained. The principle has been settled that the scientific knowledge as to require great attention

ture must be uniform, and kept below the degree what our friend Thomas has so justly asserted, at which the fermentation or the ripening process that fruit and fruit trees, in all stages of their commences. Our remarks, like our experience, existence, need care and attention.' I will add, have special regard to the apple and the pear, also, that here, as in every other department of

IMPORTANCE OF FOREST TREES.

"Civilization uses a vast amount of wood, alnatural one, seems to act upon the fruit for the though for many purposes it is being fast superbenefit of the seed, as it tends to the formation of ceded; but it is not the necessary use of wood that woody fibre and farina. When the fruit is re- is sweeping away the forests of the United States, moved from the tree, at the very commencement so much as its wanton destruction. We should of ripening, and placed in a still atmosphere, the look to the consequences of this. Palestine, once sugar and juice are elaborated instead of fibre and farina. Thus, pears which become mealy and rot at the core when left on the tree to ripen, become juicy, melting and delicious when ripened in the house.' Various fruit-houses have sund of descrits produced by the eradication of been built, both in this country and in Europe. been built, both in this country and in Europe; their forests. It is comparatively easy to eradiand experience shows that their object can be at-cate the forests of the North, as they are of a gretained only by a perfect control of the tempera-garious order—one class succeeding another; but ture, moisture and light. Hence, they must be the tropical forests, composed of innumerable vacced with any conductive to the tropical forests. cool, with non-conducting walls, or with exterior rieties, growing together in the most democratio and interior walls, or a room within a room, union and equality, are never cradicated. Even Thus the external atmosphere, which either starts in Hindostan all its many millions of population the saccharine fermentation or conveys the agents have never been able to conquer the phoenix-life

of its tropical vegetation. These freshets and droughts also produce the malaria which is the scourge of Western bottomcle to civilization, soon become necessary to its cases could be cited where breeding in-and-in had continuance. Our rivers, not having their sources above the snow line, are dependent on forests for their supply of water, and it is essential to the future prosperity of the country that they should be preserved.'

FIFTH LEGISLATIVE AGRICULTURAL MEETING.

Reported for the New England Farmer, BY WILLIAM W. HILL.

No. 5, In the series of agricultural meetings, was held in the Representatives' Hall, at the State House, on Tuesday evening, 13th inst.

tor, presided, and opened the discussion of the evening. After some remarks in regard to the influence of domestic animals, on civilization, their native localities, &c., he proceeded to speak of the fact that our domestic animals, not being native to the soil, but brought over by the colonists from various localities, presented a miscellaneous character at the outset, and the want of skill in the animals selected, but he could discover none the propagation has led to great diversity. In at the time. He agreed entirely with the chairthis respect, however, proper attention is beginning to be devoted to the subject. Two or three fattening cattle. Good health is essential to fatquestions had been put into his hands, the writers tening stock, and this could not be maintained requesting his views thereon. One was, "What without good lungs in eattle any more than in are improved breeds of cattle, and how are they men. The small lungs of Durham cattle were in produced?" He would reply that a breed of eat-his mind a serious drawback upon their value. tle may be said to be improved when the standard They are more hable to disease than native or is raised in regard to any particular quality,—as other breeds, in consequence of this peculiarity, the yield of more milk or flesh. They may be im- and they do not work so well, not having so good proved in one quality and lose in another; as an animal may be made to yield more abundantly of milk, but it will decrease proportionably in flesh, cattle. The climate he considered had a good and the flesh may be increased, but the milk will deal to do with the class of animals which we be diminished at the same time. The object need to raise. Perhaps native stock would be the should be to work for a particular object, and if best to rear from, as they are acclimated, while the animal deteriorates in some other respects, no foreign breeds cannot bear our climate, and conmatter. The means to be used are very simple, sequently deteriorate. In order to obtain a desialthough much judgment is requisite in the use rable race of animals, the best specimens among of them. It consists in propagating from those us should be selected. It would take many years animals which possess in the highest degree the to accomplish this object, however. qualities we desire. Another question asked was, "What is breeding in-and-in?" While some ap- Mr. Brooks's conclusions were at variance with plied the term only to animals distantly related, his experience. He had bred Durham cattle for he conceived the only true idea of the matter to the last fifteen years, and considered their speed be that it applied to creatures of the same blood. as travellers, remarkable. He considered them The consequences of breeding in-and-in he be- good workers, having used them on his farm;

Forests act as regula-lieved might be either good or bad, and depended tors, preserving snow and rain from melting and wholly on the skill of the breeder. As proof that evaporation, and producing a regularity in the breeding in-and-in is not contrary to nature, he flow of the rivers draining them. When they disappear, thunder-storms become less frequent referred to birds, the buffale, &c., in a wild state. and heavier, the snow melts in the first warm It is known that they breed "in-and-in" constantdays of spring, causing freshets, and in the fall ly, and yet no deterioration takes place. He had the rivers dry up and cease to be navigable. known geese to be propagated in this say for forty years, and not the slightest depreciation in lands. Forests, although they are first an obsta-size, quality or feather was visible in them. Still, produced bad results; yet he thought they might be satisfactorily attributed to imperfections in the parent stock. It is only necessary to select perfeet specimens. A third question was, " are small lungs an advantage in cattle designed for fattening?" This idea might seem perfectly prepesterous, but the theory has been broached by some who professed to raise eattle on seamlift principles. The theory is that, with small lungs, the animal cannot throw off so much carbon, and therefore more of it is retained to be converted into fat. This is a great fallacy for when the organs of the creature are most fully developed Sanford Howard, Esq., of the Boston Cultiva- and healthiest, then is fat generated the fastest.

> Mr. Brooks, of Princeton, followed, and remarked that he did not profess to have much knowledge in regard to raising earle yet from what experience he had had, he was of or inion that breeding in-and-in was a very poor system. He had succeeded badly in all efforts in that direction. It might have been owing to defects in man in regard to the effect of contract d lungs in wind. He thought the State should take in hand the subject of making experiments in regard to

> Mr. Merriam, of Tewkshury, said that some of

they keep as easy, eat as heartily, and withstand Mr. Merrian thought the discussion had shown the cold as well as any other kind of cattle.

the superiority of the native eattle over all others. farmer ascertain definitely what he wants in an In 1835 he worked 113 cattle in this city, among animal—beef, milk, or working qualities—and which was a yoke of good Durhams, but he then select accordingly. Talking with one of his old teamsters last week, obtain a good breed of cattle was to select a pure he asked him to name the cattle which he could blood bull from a mother possessing in the highrecollect were considered by himself and others to est degree the qualities desired, and take a mixed be the best in Mr. Sheldon's possession while he female. The pure blood will finally overpower was in his employ. The teamster mentioned some and eradicate the mixed blood, and the progeny eight or ten yoke, all of which were native stock, will be of pure blood. A French gentleman had If you go to the butchers, nine out of ten of them succeeded in doing this with sheep in five crossings. will tell you that the flesh of native animals suits He commenced by uniting a pure merino with a their customers better than foreign, and at Brigh- pure Leicester, and the result was a mixture ton, handsome native cattle are the most praised which produced sometimes one thing and someby the butchers. As an offset to Mr. Sprague's times another—a pure merino or a pure Leicesremark, last Tuesday evening, that the specimens ter, just as it happened. He found that this of superior native cattle cited were selected from would not work. Two pure bloods were brought drovers of a thousand at Brighton, he would re-'together, and they only wavered without promark that the specimens of foreign animals ducing any decisive result. He therefore, after brought to this country are selected from herds of much reflection, procured a sheep whose blood tens of thousands, and at enormous prices.

raise oxen. The cattle we have are crosses, and Mr. Dodge, of Sutton, thought it would take in this State. By selecting the best native bulls begin with than our native eattle. and cows, he thought a very superior race of After considerable discussion, it was voted that fault is that we have not patience enough in this meeting adjourned. matter, and are not willing to wait for such a result. As to breeding in-and in, he did not see any difficulty in it, if properly understood. The human race sprung from one pair, and wild MR. Editor :- Sir, -- Permit me to correct a few same amount of food consumed.

same amount of food consumed.

Mr. Frederick Emerson, of Boston, said it was very uncertain what was meant when "native" stock was spoken of, and described several varieties which would probably be called native by some.

Introduce it into the systems of heatthy ones in view of palliating that awful disease.

Spasmodic "cholera," should read colic, is located in the muscular coat of the intestines. It arises from perverted nervous action, and therefore, medicines that act on the nervous system of an artispasmodic character, should be used.

that all were agreed as to the necessity of good Mr. Sheldon, of Wilmington, strongly urged blood in order to secure good cattle. Let the

thought they were not so spry as the others .- Mr. Fay, of Essex, said the quickest way to had been mixed five or six times, and placed her Mr. Buckminster, of Framingham, thought with a pure male. The consequence was that he that finer cattle than some of our native stock attained the object he sought, a peculiar breed of could not be found, and that we ought to cultivate sheep. The mixed blood becomes purer on every it. He denied very positively that a yoke of pure crossing. If it is desired to raise a particular blood Durham or Devon oxen had ever been seen race of cattle, instead of looking for superior aniin this country. He explained the reason to be mals of both sexes, take a pure blood bull and the that breeders could get more for a single bull most mixed male that can be found, no matter than for a pair of oxen, and hence would not how inferior, even if one horn grows downward.

he would give ten dollars to the man who would at least twenty years to get a race of cattle such find a yoke of pure blood Durham or Devon oxen as we want, and that there was nothing better to

cattle could be obtained. In fifty years we might the subject of Farm Stock be continued for disget up as good breeds as any in England. Our cussion another evening, and at 9½ o'clock the

For the New England Farmer.

CORRECTION.

horses, which are swifter and stronger than those mistakes that occur in a report of my remarks at domesticated, breed in this manner. He stated that stock imported into this country forty years ago, had grown better and better under this system. He remarked, in conclusion, that the cows with the breath of the lattly and a cure will be the of this Commonwealth did not probably yield, on a very ground the force of the lattly and a cure will be the result." I stated that veterinary surgeons in European ways then force that the coverage more than force of the lattly and a cure will be the result." I stated that veterinary surgeons in European ways then force of the lattly and a cure will be the an average, more than five pounds of butter per tope, are now experimenting, by innoculating catture, while, with proper attention to the animals, ten pounds might be obtained from the introduce it in the system of healthy ones in

Yours, with respect, G. H. DADD, V. S. For the New England Farmer.

FARMING IN IOWA.

ry arrangements for its continuance. Whoever mens of all character from every country. gots your monthly for a dollar, gets his money's worth, and I would here recommend to every far- Western with New England farming, but I fancy mer to trade a dollar for it.

I don't know as you down-easters have any spe-could. cial interest in us, away out in these prairies, but, perchance, there may be some among you, had for many years. who may think of coming hither some day, and would be glad of some items. Our winter has been delightful, much like a southern winter, with the exception of their rains. You all know, right at home, something about a drought the past summer and fall; but yours is over, ours MONTHLY FARMER FOR FEBRUARY. continues. Springs and wells are low, and the food for stock, and as for the swine tribe, I believe they will all be killed to save corn,—not for on his back. I mean at one time.

all to buy them scarce. The bank panic among doubtful on whose side to battle, begins to show there is an ocean of land here.

"Uncle Sam has land enough to give us all a farm,"

tions. His land is generally situate beyond these, headed article, but he has situations enough for them, if you can fied with patience and the "material aid," "come how a pear that he grafted on a shad-bush, grew, Bear in mind, my immigrating friends, result. we shall all be glad to you—the more money you bring, the greater our joy; and also bear in mind the cultivation of this important crop. not to expend all your money for land-have a balance to buy your team, your farming utensils, apples, that an old grafter recommends from your household furniture, your provisions for the actual trial and personal knowledge. first year, &c. &c. We, old citizens, can't bor-839. New countries are better to loan money in with the writer's plan for a corn-crop. than to borrow. Keep out of debt, if you don't own all the land that adjoins you.

If any live Yankee has the fancied notion, that take it out of him.

exactly satisfied, perhaps the lady discontented, too far from her ma; some would sell, because they can get a few dimes more than they gave; Mr. Editor: — I have been highly entertained others are obliged to sell, because they have done, by the monthly visits of the New England Farmer as many more will do, bought more land than during the past year, and have made the necessathey can cultivate or pay for. We have speci-

I am half inclined to be grave, and contrast the my brevity will entertain more than my gravity

Jan. 21. — The greatest snow-storm we have

Burlington, Iowa, Jan. 21, 1855.

For the New England Facmer.

February, though the shortest month of the searcity of water in many places is great. The year, is the grand battle-ground of the belligerent winter has been so mild, there will be sufficient forces of the Seasons. The Sebastopol of Winter is now besieged by the allied armies of Sun, Rain and Wind. The few breaches they effect in her the price they bring, being only \$3,50 per hun-battlements, are, however, speedily repaired by dred. Short as the crops of corn are, a man can General Frost. But every morning the big gun get more for a day's labor than he can pack home of Summer is found to be a little nearer its walls than it was the day before, and its fire proves Cattle and horses are high, and the wherewith-warmer and warmer. And the wind, too, so long our neighboring States injured business a little, very clearly that the Northern Bear can count on as we have a large circulation of their currency. his aid but little longer. February, then, decides When times are dull in the east, many mechanics the contest,—though there may be skirmishes in are usually seeking the west to better their con-March and April,—and our Sebastopol is taken! dition, and perhaps to change their occupation, Winter surrenders! But, as with all other tyto enter upon the delights of farming. Well, rants, it is one thing to break his power; quite another to improve his disposition.

Though February is a short month, I do not find the Farmer any shorter than usual. With but he don't own much in this State adjoining a the advertising patch reclaimed, there is now village, a post-office, school-house, saw and grist more room than ever, and every corner is filled. mills, and mechanics' shops of various descrip- Following the editor's Calendar, we find the tri-

The Potato-Curculio-Shad-bush,---which be patient until you build them. Now all ye men shows how the writer, who cultivated potatoes and women, who are romantic, able and willing in a field with several others, raised the best to work without eider and apples, and well forti-erop of all; how he saved his plums; and along," for Uncle Sam's lands afford great open-bore fruit two or three years, and died—as all ings for you, and a few years of "patience and such grafting does, so far as I have observed. well-doing" will secure you a good and beautiful Years ago I tried the experiment, with no better

Grass Crops.—Dissertation on the value and

Selection of Apples .- A list of twenty kinds of

Lime-Salt-Corn.-Inquiries about salt and row money less than two figures in the per cent-lime as manure, used as Prof. Mapes directs;

State Board of Agriculture.—Report of operations on the farm of the State Reform School.

Fall Plowing—Plaster.—What "Plaster from he can make an honest and genteel living, even Vermont" means I do not know. Mr. Adams, who can our fertile land, without labor, the trial will spent two years on a Geological Survey of that State, gave no encouragement of finding it there, There is an abundance of land in market be-although it is used to some extent by the farmers sides Uncle Sam's, and far better improved, but in the Champlain valley. Was Mr. Woods' Plasnot at his price. Some have not got far enough ter, lime made of the shell marl that is found in west,—neighbors too near,—would sell and go the northern part of Vermont? Mr. W. also where there is more breathing-room, -some not says fall-plowing destroys worms. Another article objects that fall-plowing exposes the manure seems to be that for fattening stock, sweet apples

Official Visits to Farmers.—Recommending the apples are worth twice as much as potatoes for employment of men in each county, under the growing stock, compared by weight, not measure. appointment and pay of the State, to visit farms Machine for Chopping Brush, that does the reported to be good, and to present the facts as-work of forty men! Many farmers in Massachucertained through the press. For my own part, setts burn little but brush, themselves, as the 1 don't like that word "official." Mr. Colman once held an office similar to the one proposed. lots of work to chop it up with axe and hatchet. In his valedictory preface to the Fourth Report, Don't see why a brush cutter might not be of he says:—"By many persons, the Commissioner great advantage, where wood is worth six or eight has been regarded as a kind of tax-gatherer, and dollars a cord. True, the work by hand may be

and such like, are every fall on the eards in pear dishes, displayed in the fruit stores of Boston, to only about one-half of the articles that make This article comments on and recommends choice up this number, I will stop here, and claim for varieties, and then promises to give us the wri- once the merit of brevity—a higher mark than I ter's views on the proper culture of the Pear, often deserve. which I am looking for with much interest. Winchester.

Dairies .- Report of Middlesex County Committee, in which some thrusts are made at certain Book-farming cows.

Poultry cheaper than Pork, if figures don't lie. become of that committee?

Value of Root Crops.—This article is reviewed by E. C. P. on page 90, in a sensible article

headed Relative Value of Food.

of this fence make a pretty appearance on paper, and may work well on the farm, where feneing is earry the fences on their horns and neeks, in the expensive. From my observation of the effect of the climate upon iren, I have always feared that shape of "blind-boards," "stoops," "hampers," rusting would prove a serious objection to wire "jewsharps" and "pokers," is one that calls tencing. But it seems that no trouble is anti- loudly for reform. Good and substantial fences cipated from this source, as it is "calculated" to are by no means so expensive as they are suplast a century or more, by being varnished, painted or tarred once in five or six years.

Basket Willow .-- Whether the people of the United States can raise their basket-stuff better than they can their silk dresses, seems about to country from the use of such apologies for he tested. We have in this number an account of a successful experiment in raising the Willow in Hingham, Ms., and also of a machine for peeling it, invented in Vermont. The "rod is in a pickle," then; but, gentlemen, don't get up a

An Agricultural Glimpse of Washington City.— Two very interesting letters by one of the Editors. Pity such pictures of life should be drawn in the capitol of a free people.

more in December than in March?

Turnips for Pigs.—The writer found that Swedish turnips wintered over, and fed raw to his pigs in June, kept them growing finely.

Legislative Agricultural Meetings.—We have the reports of the first two meetings of this association, at which the subjects of last summer's

farmer gets the blues, let him turn to the monthly

Farmer, and read this extract.

Value of Apples.—An article that embodies the result of much labor to ascertain the value of apples, by scientific processes. The conclusion from one dollar to two dollars lifty cents per red,

are worth as much as potatoes; and that sour

his approach has carried their hands, almost in-done evenings and at odd jobs; but I have thought voluntarily, to elench their pockets." sometimes, this winter, that I had rather be read-Culture of the Pear.—"75 cents a dozen," ing the Farmer, than cutting brush by kamp-light, "\$1,50 a dozen," "6 cents each," "12 cents each," to keep one stove warm.

Although I have alluded, directly or indirectly,

Winchester, Feb., 1854.

ENCLOSURES.

There is, perhaps no department of agriculture Pulcerized Peat.—May not this material be which can properly be considered of more increased to save a portion of city waste? What has diate importance to the farmer than that of FENCING. Yet, singular as it may seem, there is none which, by the generality of husbandmen, is so much neglected, or more badly managed. The Wire Fences, made by Machinery.—The pictures habit, already become inveterate, in many sections, of compelling the animals of the farm to posed to be; and if, to adopt the language of an able writer in a late New York paper, "the proportion of crops that are annually lost in the fences as are frequently seen, could be correctly ascertained and added to the sum which must be deducted from the value of the horses and cattle thus taught vicious and unruly habits, and the multicaulis fever with it. Do let us be soher whole presented at once to the eye of the farmer, or land-holder, it can scarcely be doubted he would be surprised at the result, or that he would at once awaken to the importance of having good fences." As to the cost of fences, the Profits of Hens.—Why are liens worth a third following remarks, published some years since by Mr. Shurtlere, in the Farmer, afford valuable

> A fence of white cedar—posts and rails, five rails in height, and three lengths to two rods; cost nearly ninety-one cents per rod.

A fence of white pine and chestnut—rails drought, and of the small grains, were discussed, white pine, sawed two inches by eight, chestrest Nerf Labor in Poland.—When any American posts, four rails high, three lengths to two rods; cost sixty-four cents per rod. In both these cases the cost was exclusive of the setting.

Stone wall-four and a half feet high, varied

according to the amount of labor required in transporting the materials, and the manner in which the wall was laid, whether by trenching or otherwise.

at the end of the fourth year, including planting, value as a fertilizer. For my part, I have not trimming, etc., fifty cents a rod! This statement learned something from observation, with respect who have introduced this species of enclosure on opinion which I have long had, that the efficacy and the very important advantage resulting from with the guano, which had now become softened having them placed forever out of the way, the expense of this highly valuable and desirable of lime or ashes. After the corn was planted, species of enclosure will probably be less than but little rain fell for some weeks. Probably in that of hedge. But hedges, when properly man-many instances no rain reached the guano to disaged, are very desirable. They are not only per-solve it, and diffuse it through the soil, but it all manent, but very efficient as a protection against was given off in the form of vapor, and acted, the depredations of every description of animal when it acted at all, in a concentrated form. ordinarily found upon our farms. They are also This may be illustrated by the action of certain very ornamental, and communicate a rural aspect caustic substances—ammonia, for example—when to the country which other species of enclosure applied to the surface of the human body. When cannot equally confer.

jeet, says :-

Shurtleff found his cedar fence to last about fif-depth of two or three inches, and the corn dropto pause, and ask, where their fences are to come from, when their present, and perhaps already half-decayed, wood tences are rotten and gone! We are convinced that, ere many years, want of fence will be one of the most serious evils the functional form of the function of the most serious evils the function of the function of the most serious evils the function of the function of the function of the most serious evils the function of the func farmer will be called to encounter.

of which may co-wist in the sall.

For the New England Farmer.

A WORD IN SEASON ABOUT GUANO

BY DR. JOSEPH REYNOLDS.

The failure of guano to produce the beneficial Hedge fence, made of Virginia thorn plants—effects expected from it, the past season, seems to (cratagus cordata) set twenty-one to a rod; cost, have destroyed the faith of many farmers, in its with respect to the cost of hedges of Virginia to the proper mode of applying it. Indeed, the thorn, accords well with the experience of others experience of the past year has only confirmed an who have introduced this species of enclosure on their lands, and especially with those of Mr. Kirk, of Pennsylvania, whose experience in this particular department of farming, probably exceeds that of any person in the United States. The cost of stone wall, we think, will generally be not far from \$1 per rod, and if from this we deduct the increased value of the soil, permanently improved by the removal of the stones, the corn shot downward, and came in contact and the very important advantage resulting from which I have long had, that the efficacy of guano depends essentially upon the mode of its application. Last spring an idea got into extensive circulation, that the mixing of guano with other substances was but little better than labor contact with it, or with only a little earth thrown over it perhaps with the foot, in dropping the seed. In this state, when the tender radicles of nently improved by the removal of the stones, the corn shot downward, and came in contact with the guano. Which have long had, that the efficacy of guano depends essentially upon the mode of its application. Last spring an idea got into extensive circulation, that the mixing of guano with other substances was but little better than labor contact with it, or with only a little earth thrown over it perhaps with the foot, in dropping the seed. In this state, when the tender radicles of nently improved by the removal of the stones, the corn shot downward, and came in contact with the guano. this is applied in a diluted form, over a considerable surface, it stimulates the vessels of the skin The editor of one of our agricultural publicato a more vigorous performance of their natural tions, in some observations pertinent to this sub-functions; but when applied in a concentrated form, it destroys the entire tissue to which it is applied, and leaves an unsightly and painful ul-"We have found by experience that in making er. One of the best fields of corn which I saw fence of posts and rails, or posts for bars or gates, in this town, the past season, was raised with there is nothing gained by making the posts too guano in the following manner: After the ground small. Perhaps there is no timber in which the had been properly prepared, a furrow was made difference of durability between large and small for the row, of the common depth. The guano posts is more striking than in that of the common was sprinkled into this furrow, through its entire white cedar or cypress of our swamps. Mr. length. It was then covered with the hoe to the teen years, the posts rotting off in that time, and perhaps tifteen years may be set down as about eight or ten inches apart. The yield was estimated the posts of the posts o method of construction be what it may. This bushels per acre. Where it is preferred to plant single fact should cause farmers and land-owners in hills, rather in drills, the guane should, if used

a few words about the use of guano as a top dressing. Those farmers who intend to use it for Wifete.—According to the most correct analysis, wheat contains, in one hundred parts, 3.3 per stormy days of this month, or the early part of cent, of ashes, and these ashes consist of 12 per March, when they cannot work out of doors, they cent. lime salts, and 51 of silica, or sand. Hence, can pulverize it upon the barn floor, and stow it wheat will some times suggest after back-wheat, away in barrels for use. During the cold weathas they are composed of different elements, both or it gives off but little of its ammonia by exponent which have no way to the sure to the air. But during the werm days of spring, when exposed, it parts with a great amount

of it. My own belief is, that it is best, for whatever use it is intended, to mix it with plaster, pulverized peat, fine dry compost, or in the absence of anything better, with fine rich soil from air, for the food which perfects its growth. the garden. These should be mixed with it in the proportion of at least five bushels to one. If this mixture is now made in the barn floor, or an appeal to those that most frequently make in a dry cellar, whatever ammonia is given off by the guano will be absorbed and retained by the diluting substance. If before you have occasion ply as a top-dressing, at the time when it should male pupils of these ages that make trouble.the first week in April, as is often the case, you control, he will go far astray. its value will be lost.

When used as a top-dressing, it is worth much more upon moist than upon dry land. Two years ago, Friend Dyer, of the Shaker establishment at mittee, or by your parents, or it may be by your-Lebanon, sowed guano upon four acres of grass, in the middle of a large field, upon a side-hill, where the land was moist and springy, and he judged that it doubled his crop, although the determination on the part of a few on the first crop was good before. The expenditure of five day or week of the school, and sometimes even dollars to the acre gave at least an additional ton of hay. A gentleman who lived a mile off, told derly. This is unfair and unjust. me he could mark the limits of the said four acres through the whole season, from its superior greenness. A gentleman in the neighborhood sowed his guano the latter part of May, after the land had become dry, and it did little or no good.— Here then is a practical lesson which should not

I am acquainted with many instances where the crop of grass has been doubled by the application of 250 or 300 lbs. to the acre; but in every instance the land was moist, and the guano was applied early. When the land is dry, provided it honorable in you not to let yourselves down by is level, so that the rain and snow that fall upon opposition to the teacher, and to the disgrace that it will not run off, it will probably be best to ap- attends the trouble you may make in the school. ply it later in the fall. Then the rains and melting snows will carry it into the ground. When the land is uneven, or the surface is inclined, as on a side-hill, so that the surface water will run off before the ground is thawed in the spring, the dissolved guano will be carried off by the water, and nearly the whole value will be lost, if it is applied in the fall. As a top-dressing to winter wheat and rye, I think it will be found no less you intend to use as a top-dressing. Concord, Feb. 15.

Peas.—The soil for peas should not be too lib-will not do to deny anything. erally enriched. A great degree of fertility ap- Jan. 29, 1855.

TO YOUNG MEN AT SCHOOL.

TROUBLE.

Those to whom we refer is a class of young to use the mixture, you should find it smelling of men, who attend the winter schools, and are so ammonia, dissolve five or six pounds of copperas disorderly, and in some cases determined not to in a barrel of water, and occasionally sprinkle obey the teacher, that things are rendered trying the surface, or throw over it an additional quan-tity of pulverized peat, or a little charcoal. In this way, you will have your guano ready to ap- of age, up to 20. It is not common to find febe applied, which is as soon as the frost is out of There is generally too much pliancy, delicacy and the ground, and the grass begins to start. If you refinement in them for this. Man has more roughcan avail yourself of a new-fallen snow, about ness in his nature, and unless he exercises self-

In a few observations for the benefit of this will be able to sow it more evenly. If not, sow In a few observations for the benefit of this it during o. just before a rain. If sowed upon class, let it be said that your teacher may not be dry land, and the sowing should be followed by right in every course he takes, nor in everything several days of bright sunshine, a great part of he does; but then it is not for you to correct him or to be revenged on him for any acts that are not just what they should be, by disorder at school. He is to be approached and advised by the comselves in a private manner if he judges you wrongfully, or does not help you in your studies as you have need. But it is often the case that it is the before it commences, not to like, and to be disor-

> Now what can be gained by disrepect to the teacher, and by ungoverned conduct at school? Is it of any value to you to prevent the peace and quietness of the school, and thereby have many that attend it, hindered in their studies, and time and money lost? Do you wish to lose the pre-cious opportunities afforded you of getting that knowledge that will be more valuable than gold? Have you not self-respect enough to conduct with propriety and decorum? Do you not wish to act the part of gentlemen? We appeal to all that is Be kind and respectful towards the one that has When charge. Be orderly and polite, instead of being ned, as wayward, coarse and vulgar. It is the direct way to rise to places of usefulness, fame and peace. –Exeter News-Letter.

> > For the New England Farmer.

MR. CLARK'S COW.

In the Boston Journal of Jan. 23, it is stated, efficacious, than when applied to grass, provided by Mr. Clark, of Sunderland, that one pound one the above conditions are observed in the application of butter was made from three quarts of the tion. When rye is grown upon very dry land, as milk of his cow-her feed corn fodder only. I is usually the case with us, I think it will be bet-think it must have been, like the Dutchman's ter to plow and harrow it into the soil, when the wheat-straw, on which he kept his fat horse, very rye is sown. Again I say, that no time is to be poorly threshed. This goes ahead of Mr. B.'s Delost in purchasing and preparing the guano which yons or M.'s Jerseys. I should like to know, whether this milk was a fair average of the product of the cow, or whether it was the strippings. One story may be good until another is told. It

HORTICULTURE.

PRUNING THE GRAPE.

Our people are beginning to appreciate the value of the grape, both as an article of food, and as affording a pure and wholesome tonic for the siek and infirm. As an ornament, also, in the grounds about the house, it is seareely excelled by any of the plants which are sufficiently hardy on one left to straggle without eare. for our climate. There is great uncertainty in the mind of many persons as to how and when the grape vine should be pruned, and finding an excellent article in the Country Gentleman on the subject, we have incurred the expense of en-graving the cuts annexed, in order to give prac-Secondly, that the full growth and perfect ripentical illustrations of the mode of pruning and ing of the fruit depends wholly on the healthy. training. These, with the explanations, will make the whole so plain, that all may cultivate be allowed to become so thick that the leaves canthe grape with a certainty of success.



Fig. 1 .- Portion of a grape vine in bearing, representing the bearing branches, from the sides of a last year's vine

a chapter on the pruning of the grape. He adds, off as fast as they appear, as they withdraw and "I do not trim on the renewal system, and I find divide the nourishment received from the roots. that this year's shoots that are to be next year's bearers, if kept without any trimming, fling out such a profusion of side-shoots that they become altogether too thick; and by trimming them off. the bud which should be left to grow next spring, will grow this summer and produce a cropof grapes. I had grapes on such vines this year that were about full grown when frost came. 1 | Fig. 2.-Vine as obtained from nur- Fig. 3.-The same, pruned cannot keep the vines thin enough without taking off the side-shoots. I also wish to ask whether, in grafting the vine, if we have little vines up, shall we graft them, and then set them out as we do root-grafted apple trees, or must they be cut off below the surface and be grafted when they are growing?"

[Our experience suggests that, if taken up and

to succeed; eover the scion with earth up to the topmost bud.—Ed. Farmer.]

In compliance with the request of our corresrondent, and in reply to frequent inquiries, we furnish a few hints on pruning the grape, which we shall endeavor to make sufficiently plain by reference to figures, that inexperienced cultivators may easily understand them. A well-pruned vine will not only produce earlier fruit, but it will be larger, and incomparably superior than

There are two leading principles that should be always observed in pruning the grape, whatever may be the particular mode adopted. The first is, that the vine always bears the fruit on the present year's shoots, which have sprung from well developed *leaves*, which supply food to the forming berries, and hence the growth must not not properly develop themselves, nor should the vines be trimmed so closely that there shall not

be leaves enough for the perfection of the fruit. These two facts must be always borne in mind by those who would raise the best grapes. These being understood, we now proceed to the details of pruning.

First Year.—When a vine is first procured from the nursery in spring, it is usually furnished with several irregular shoots of the previous summer's growth, resembling Fig. 2. These should be all closely pruned to the older wood, leaving only the strongest, and this should be cut back so as to leave but two or three buds, (Fig. 3.) These buds will grow, and when only a few inches in length, the strongest shoot must be selected, and the others rubbed off. This single shoot is allowed to grow till about the first of autumn. After this period, the new leaves and wood that are formed, cannot mature perfectly, and their growth will be in some degree at the expense of the matter forming in the previous portion of the shoot. Its growth should be therefore stopped by pinching off the end. This will assist in maturing and strengthening the vine. Any side-shoots that appear during the summer, or any smaller shoots that happen to

A correspondent at Southeast, N. Y., requests spring up from the stump, should be kept rubbed





sery, with straggling shoots.

Second Year.—The single strong shoot made the first year, (Fig. 4,) should be cut down to three or four buds, only two shoots from which should be allowed to grow, the others being rubbed off, and the lateral shoots, should any appear, being removed as already described. The autumnal shortening of the two shoots as above stated whip grafted, and then planted out, they are sure is also necessary. The judgment of the cultivator

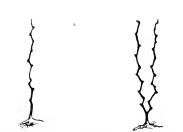


Fig. 4.—Growth at end of first Fig. 5.—Growth at end of second summer from setting ont. summer from setting out.

will teach him, that if the transplanted vine is small or weak the first year, and makes but a few feet growth, the same first year's process must be gone over again the second year, until the vine becomes strong enough to send up a shoot at least some nine or ten feet in length, when the "second year's" operation may be commenced upon it.— Any fruit which sets should be removed, as the shoots, as they advance in growth, should be tied vine is not yet strong enough to bear and support to the trellis, in the position that the figure rea vigorous growth at the same time.

THIRD YEAR.—The two shoots made during the

ond year, or early in the spring of the third. These horizontal branches, termed arms, are to be eut back at the same time, so as to leave two good buds on each, so that four shoots, two on each side, may spring up from them; the same care as formerly being observed to remove suckers or supernumerary shoots and side branches, and to give the autumn shortening. None of the fruit bunnehes should be allowed to remain. The four

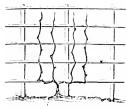
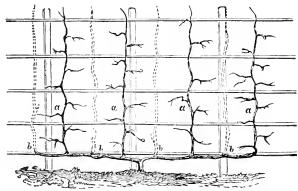


Fig. 6.-Growth at end of third summer from setting out.

presents.

FOURTH YEAR.—Two shoots or eanes are sufsecond year, (Fig. 5,) are now extended each way fered to remain in their position upon the trellis, horizontally, and fastened to the newly creeted merely cutting them down to three or four feet. trellis. This may be done at the end of the sec- They will throw out from each bud side-shoots,



-A full grown grape vine, trained on the alternate or renewal system the dark vines, the present year's bearers—the dotted ones, growing this year, for bearing next.

which are the fruit-bearers, and on each of these of the previous paragraph, that the two upright spurs one or two bunches of grapes may be al- shoots are cut down to three or four feet. A bud lowed to remain and ripen; the ends of these should be allowed to grow at their upper ends, spurs or side-shoots being pinehed off, as shown from which all bunches are to be removed, so at c, Fig. 1. All other bunches should be rubbed that they may serve to extend their length upoff as soon as they form. The other two or outer wards, till the full height of the trellis is atshoots should, early in the same spring, (or late the previous autumn,) be laid down horizontally so as to form an extension or continuation of the in this way. One is what is termed spur-pruning, arms, and at the same time be shortened to within and the other the long-cane or renewal system. about two feet of the ends of the previous arms. Theoretically speaking, there is but little differ-Two buds should be allowed to grow on each of these horizontal portions, one of which is to be trained upon the trellis for another bearing branch, and the other to serve for a continuation of the arms, as before, no bunches being allowed yearly from the sides of a permanent upright to grow on them. In this way, two new bearing shoot, and are cut back yearly, for new ones to shoots are added yearly, until the entire space spring out from the buds left at their base in intended for the vine on the trellis is filled.

We have already remarked, at the beginning

tained.

There are two modes of treating vines trained pruning.

In the long-cane or renewal system, every alter-

remains above the arms longer than two years.

of all supernumerary shoots and bunches as fast mode that young people shall spend it at the as they appear, and in pinching off the ends of bearing shoots, after enough leaves have formed, study carefully the best modes for accomplishis of great consequence. Vines left to themselves, ing so all-important an object." even after a thorough spring pruning, soon have such a profusion of leaves and branches, that none can perfectly develop themselves, and the fruit is consequently small, the bunches meagre, remarks of the President at the last session of the and the ripening late. The summer pinching of the ends of the bearing shoots should be causome of the reports from the States represented tiously done, and not before the grapes are about in the convention. half grown; four or five leaves, at least, should be left on every one, above the last bunch, and never more than two bunches be allowed on each bearing fruit.

actual trial.

GROUNDS ABOUT THE HOUSE.

There is probably no other way in which the homestead may be beautified, and even made prof- culture. itable, than by expending every year a little money and labor in laying out and planting with fruit trees, shrubbery and shade trees, a space proportioned to the size and style of the buildings, and immediately about them. Shade in summer, protection from storms and winds in the winter, and wholesome fruits, may be obtained, together with that constant idea of the beautiful which such such an arrangement would present. Below are some remarks to the point, which we copy from the Country Gentleman:

"There is nothing in practical life, in a knowledge of which our countrymen are more deficient, than in laying out and properly planting and

nate stem is cut wholly down to the horizontal disorder. Where improvement is actually atarm; so that, while last year's upright shootis tempted, the result is not unfrequently a combifurnishing a crop of grapes this year, this year's nation of inconvenience and stiffness; and very shoot is growing (free from all bunches,) for a few neatly, economically and tastefully laid-out similar crop for next year. No shoot, therefore, grounds are to be met with. Why should not this art, which every living man in the country Spur-pruning is best adapted to slowly growing sorts, (chiefly exoties) which cannot produce a schools? Latin and Greek are excellent studies full-length branch in one year. The renewal system is best for the most vigorous American varieties, which will grow fifteen or twenty feet in a year. Fig. 7 exhibits distinctly a vine months consumed on Tacitus and Thucyides, be trained to a trellis and treated on the renewal more profitably sport on these fusionisting and trained to a trellis, and treated on the renewal more profitably spent on those fascinating and system, the dark shoots being the present season's eminently useful studies, drawing and architecbearers, and the dotted lines showing the growth
of the canes for bearers next year, while new
ones are growing in the places of this year's
bearers have only an equal chance with the former? Time once lost never returns; and it is of the Summer pruning, which consists in the removal highest consequence that those who direct the

We have heretofore given a portion of the

REPORT FROM NEW HAMPSHIRE.

B. F. Cutter said, New Hampshire, as a State, in former years, has not been celebrated for cul-The old vine should never be allowed to rise a ture of fruit of any kind; but since our State foot from the ground—the lower it is kept, the and county Fairs have been in operation, a new easier the vine will be managed, and the freer it era has commenced in the business, and an immay be kept from suckers. Some of the best petus given to it that, in some places, almost cultivators bury the old stump beneath the soil. amounts to a mania. Information is sought for, The preceding will, we hope, fully answer all and orchards, containing the most choice collecthe inquiries of our correspondent, and prove tions, are being set in the most approved manner, useful to beginners generally. We are not aware that in a few years will work an entire revolution of any experiments in root-grafting the grape in the business. The nursery business remains out of ground-its success can only be proved by good, and the nursery-men are becoming more experienced, and paying more attention to making choice collections of fruit; yet we have many varieties of fruit cultivated of a local character, and many of them entirely worthless, which makes one of the most serious drawbacks in fruit

REPORT FROM VERMONT.

C. Goodrich said, the Northern Spy has not yet answered our expectations. It is a hardy and good grower, but a very shy bearer. Old bearing trees, grafted in 1846, have yet produced little fruit; while in the same orchard, and like trees as those grafted at the same time with the Baldwin, cut from bearing trees in Cambridge, Mass., produced full crops the fourth season, and have continued to do so in alternate years, at the same time making a large growth. The Gravenstein sustains its high character; fair, very hardy, good grower and bearer, and in every respect I must mark it best.

REPORT FROM CONNECTICUT.

The committee reported that the early part of cultivating the grounds around their dwellings. the season of 1853 was made remarkable by the Very often they are not laid out nor planted at appearance of the Palmer worm, so called, in all, but are left in a state of primitive bleakness, great numbers, which destroyed the foliage of or only ornamented by objects of confusion and apple trees, as well as that of some others, and,

insect eats the leaves as voraciously as the canker-in Cornstalks; Draining, two articles; Hard Times, worm, and at about the same season, viz., June

They did not appear again this year.

Very much fruit, it is believed, was destroyed this year by a severe frost that occurred on the first Sunday night in May, the effects of which articles in relation to the Basket Willow. In rewere more noticed than the cause; which fact gard to the latter articles, if we find anything in can only be accounted for by the habit people them that we have not already given, we shall be have, in these parts, of lying late Sunday mornings. The morning was bright and clear, and the ground where it had been broken up, frozen hard enough to been an arranged to be the state of the st hard enough to bear up a man of common size. Plum trees, cherry, and perhaps some others, were in profuse bloom at the time, but failed almost entirely of producing fruit. Apple and pear buds generally were also much injured, sented One fact, in this connection, is worthy of notice: form. many pear trees, on quince roots, were at this time entirely killed, as appeared afterwards, while those on their own roots were not injured beyond the destruction of fruit. About one dozen vigorous looking trees were killed in my own garden, many of them having borne fruit several seasons; monthly you have an article on "Thiuning Forshowing very conclusively that pear trees, on est Trees." The subject is one of vast imporquince roots, are liable to a calamity which tance to the future interests of New England. those, on their own roots, are not. The trees, in The writer of that article says, "The question is this instance, were forward, the buds nearly often asked whether woodlots should be thinned! ready to open, and the sap, of course, in free circulation, making it most probable that the servation, that they should not." Perhaps I do sap vessels were destroyed by freezing of the sap, not fully understand what he means by woodlots. If this be true, there is one objection to trees A woodlot of large trees is one thing, and a thick thus worked, which we have not seen noticed.

REPORT FROM NEW YORK.

y ars. Up to that period it had attracted com-ence. paratively little attention, and (except in the paratively little attention, and (except in the nurseries) the varieties cultivated were few, and many of them such as would now be considered worthless. The apple was almost the only fruit I cultivated for market, except a few of the most common pears and cherries. There were several pretty large apple orchards, composed chiefly of those Island Greenings. Spitzenburg, the various Rhode Island Greenings, Spitzenburg, the various successfully, requires the same degree of care and Russets, and a few others, which, at that time, attention in thinning out, as an onion, carrot or comprised the bulk of the varieties under culti-beet bed. If the trees are left to struggle with vation.

cultivation.

TO CORRESPONDENTS.

on the following subjects, which we shall insert as of heat and cold; it is like suddenly removing the we can make room for them, viz.:—Plows and Plantation a few degrees farther north or south. Stones; Articles in Season; Springs—Live and So it is equally injudicious to allow the plants to Dead Weight of Book Cattle, Stone for Book Cattle, S Dead Weight of Beef Cattle; Stone for Building; become crowded and interlaced, as thereby they Shaping Cattle Horns; A New Building Material; exclude too much the light and air, and serve to Plows and Plowing; Gas Lime; Profit of Hens; tweaken each other. In rearing a plantation for Propagating Apple Trees; Quinces, China Peach; to have a space between each tree equal to one-pear Trees, Strawberries; Mixing Varieties of Rall its height; and for response trees, a space Corn; tunar Influence, No. 2, Pairing Varieties of Rall its height; and for response trees, a space Corn; tunar Influence, No. 2, Pairing Varieties of Rall its height; Corn; Lunar Influence, No. 2; Raising Apple equal to one-third the height; this should be

of course, injured the fruit more or less. This Trees; Waste of Manures, Mack, Hops; Worms and price of Labor; Turnips for Pigs; Profits of Farming; Bethel (Me.) Farmers' Club; Short Horn Cattle; Inquiries about Hops, and several

> Now is the time to write. Soon the fields will invite the farmer to their care, when the pen will be resigned for the plow. If your communications are sent us, we will see that they are prosented to the world in good season and in good

> > , For the New England Farmer.

THINNING FORESTS.

young growth of trees, intended for a wood and timber lot, is another. That the last-named may be advantageously thinned out, I am now con-Mr. John B. Eaton said—Fruit culture in the vinced, after no limited reflection and observavicinity has rapidly advanced within the past ten tion, tested by more than twenty years' experi-

I am aware that many farmers object to thin-Many thousands of trees have since been planted, and nearly all the finest apples, pears, cherries, plums, etc., have fruited. The smaller fruits have also largely increased, both in number of varieties and quantity. The strawberry in particular, has of late received much attention, necessary that they will not interfere with a cach other's growth; and for this purpose it is necessary that each plant has sufficient space of and a considerable extent of land is devoted to its. each other for the mastery, the vanquished will and a considerable extent of land is devoted to its ground and air, for the spread of its roots and branches, proportionate to its size at any stage of its growth. To accomplish this properly, requires constant attention. It is highly injurious Communications have recently been received up- to thin so much at one time as to have the trees

kept in view from the moment the thinnings commence. The period when these thinnings should begin, must depend on the forwardness of the

competent government agents. In making new plantations there from seeds, broadcast sowing is found the better method; the plants being allowed to grow, all together, a dozen or twenty years; when the weaker and poorer ones are removed; leaving the best and straightest to grow; always careful, however, to leave enough to keep the Western agricultural papers to "C., Salem, Ms." ground thoroughly shaded. The thinning and trimming employ hundreds of the peasantry when other labor is in less demand. The limbs and twigs are made into faggots, and chiefly used by bakers; the trunks and larger branches are saved for fuel and other purposes.

About twenty-five years ago I came into possesvery dry time about the year I800.) Immediatepaying the expense of thinning and drawing. Soon after, I sold the land, since which nothing has been done to it. I have with the property than the supply, and will be for years to come. has been done to it. I have, with the present opinion that the portion thinned some twentyof numbers, for the mastery, many of the van-quished have died, while the victors have suffered New severely from the effects of the struggle." I sold the land for ten dollars per acre, the present owner has recently refused one hundred dollars per trees from the time he purchased it, till now, he might have (without injury to its present worth,) taken from it enough to have paid the interest on his purchase and taxes. I have thinned out the growth of hard wood trees with results similar to the above described. LEVI BARTLETT.

Warner, N. H., Feb. 6, 1865.

Remarks.—It is pleasant to observe how old notions are gradually yielding to a better knowledge of the modes of rearing many crops. From boyhood, the ery has been familiar to our ears-"forests must not be thinned, nature will take eare of them"-"evergreens will be ruined by thinning." Twelve years ago we saw a forest of est than on that. Mr. BARTLETT will please accept our thanks for his valuable article.

EXTRACTS AND REPLIES.

WESTERN FARMERS.

DEAR SIR: - Will you be so kind as to inform me from what paper a young man, intending to ber trees is under the direction of educated and to Graning in the best information relative to farming in the Northern, Western States, or Minnesota Territory. By so doing, you will much oblige a constant reader of the New England Farmer.

Salem, Feb., 1855.

Remarks.—We have directed two or three Why do so many people withhold their names when they write us?

THE NEW ROCHELLE HLACKBERRY.

Editor N. E. Farmer: -- I notice some remarks in the January number of the N. E. Farmer, in regard to the price of the New Rochelle Blackberry. sion of several acres of "pine plain land," covered The price at which they are sold is by no means with a thick growth of white-yellow and Norway extravagant, as they are only propagated by pines; the trees were then about twenty-five years shoots from the roots, which, all must be aware, from the seed. (The land was burned over in a is a slow process. The only two persons who raise them for sale,—Mr. Lawton, of New Roly after I came into possession I thinned out the chelle, and Geo. Seymour & Co., of Norwalk, Ct.growth on about two acres, removing more than half the number of trees, they being the smaller for, after the first or second years' transplanting, portion. The wood thinned out much more than they will raise more than a dollars' worth of

I exhibited last season, in New Haven, from owner, recently examined the lot; we were of the Messrs. Geo. Seymour & Co., at our Horticultural opinion that the portion thinned some twenty-five years ago, is now, from the superior size of the trees worth 33 per cent runs are somether. the trees worth 33 per cent. more per acre, than in circumference, the size of a pullet's egg. Some that portion left to itself. Can any one doubt, of the specimens were taken from a plant in a that the limbs and tops of the removed trees, and Mr. Smith's private garden in Norwalk. I think the decaying stumps and roots of those cut out, it had been planted out three or four years, and with a free access of sunlight and air, has not should judge it had on it nearer one-half a bushel very much increased the growth where thinned than a peck of berries; so that a dollar a plant out, over those "left to struggle, from the excess cannot be a very great price under these circum-F. TROWBRIDGE.

New Haven, Ct.

MILLET.

Will you give us, in the columns of your best acre for it. Had he judiciously thinned out the of all papers for the farmer, a chapter on millet? Will it do well on cold, clayey land? (a.) Can it be sown like oats, in laying down ground to grass? (b.) If not, what is the proper course, and what is considered a fair yield? Any other information on the subject would be thankfully received.

Raynham, Feb., 1855. Subscriber.

REMARKS .- (a.) Millet will grow well on such land as you describe, if it is well-drained and manured.

(b.) It is too rank and heavy a crop to set grass with.

See Vol. V., New England Farmer, p. 157, 203.

VETCRES.

Mr. Editor: -I wish to inquire, through your white pines thoroughly thinned and pruned, and columns, if you, or any of your subscribers, have we have seldom seen a finer growth on any for-had any experience in cultivating the above named grain? If so, whether the seed or root will remain in the ground and germinate in after L. W. S.

New Haven, Vt., Jan. 30, 1855.

T. Tenney.

MANURE FOR THE GARDEN.

acre of land, and keep one horse, and wish to number of hills on muck alone. know of the best way to prepare the manure for the land. Shall I mix the two together, adding ashes, or lime, or salt? I keep no pig, but throw the manure into the poultry yard. Ought the vines or trash from the garden to be thrown on to thrive well on turnips, I thought I would try my

therefore, the reason of asking the above ques- 15 ets. per bushel, I became satisfied that the tur-Constant Reader.

Medford, Jan. 19, 1855.

Remarks.—In the autumn, gather all the vines, leaves, and every kind of vegetable matter that will ferment and decompose readily, and place it will ferment and decompose readily, and place it weighs thirty-one pounds. If you think he is where the horse manure may be conveniently worth a notice, please give him some spare corthrown over it. If this, with the daily additions ner. from the stable, can be kept from freezing, it will be better. In the course of the winter throw it over and mingle the whole intimately. If, in the more conspicuous place than a corner; we should spring, the mass is too crude and coarse for use, be happy to place him on the centre of our dinnerthrow it up lightly, wet it, and when the process table, and pay him most respectful attention, for of fermentation has gone so far as to cause the at least the space of thirty minutes. whole to fall to pieces on overhauling it, you will find it in a convenient and profitable state for the

rich and valuable materials, may be this:—In of any size or shape you please, and six to twelve inches, and upon this throw the waste water of rooted? (d.) the house through the winter; then, as soon as the muck is thawed in the spring, add the collections of any of the back buildings, and mingle the whole thoroughly once or twice before it is time to apply it to the garden. In this you will find your garden answering your most sanguine expectations.

Ashes, lime and salt, may be sown broadcast upon the garden with as favorable results as applied in any other way. If sorrel abounds in the garden, be liberal with the lime—note the effect and tell us what it is.

POTATOES --- AN EXPERIMENT.

into possession of two barrels of potatoes, of a to fulfil their promises to others. variety unknown to me, I cut them into 75 pieces, 11 eyes to a piece, and planted one piece to a hill, putting a shovel full of raw muck, dug the August previous, to a hill, into 60 hills, and into the other 15 I put hen manure and muck, mixed equally one quart to a hill. They were well watered with the drainage of the sink, caught in a tub and applied at night. The whole pro-

Those planted on the hen-manure and muck, did Sir :-- I am the owner of a house and a half not produce quite one-half as much as the same

West Poland, Mc., 1855.

the manure? How long before the compost would skill in the use of them, especially as oats and other grains were high. I fed several, last fall, I had a good garden last year—nothing suffered entirely on turnips, for two weeks, together with from the drought, although my land is elevated. I want a better garden next year, if possible—oats. With oats at 50 ets., and turnips at 12 or tions, and by answering them you will oblige a nips would produce a larger growth than an equal cost for oats.

Canaan, Vt., 1855.

A BIG TURKEY.

I have a turkey seventeen months old, that A Subscriber.

January 23, 1855.

Remarks. — A turkey of that size deserves a

FOUR-ROWED BARLEY-GUANO PER ACRE-OSIER WILLOW.

Mr. Editor: -I would like to inquire where I Another source of collecting and preserving can procure some four-rowed barley, and the price per bushel! (a.) What is the proper quanthe garden, and near the back door of the house, tity of guano per acre to put in a hill for make a bed of the loam you speak of. Let it be corn? (b.) Is there as much difference in value between the Peruvian and Mexican, as there is in the price! (c.) Will the osier willows be large inches deep; then raise the edges eight or ten enough to cut every year, after they once get A Young FARMER.

Kensington, N. H.

Remarks.—(a.) The barley may be obtained at the seed stores, price \$1.50 per bushel.

(b.) Three hundred pounds is the usual quan-

(c.) We do not know—you must satisfy yourself by experiments.

(d.) We have never raised the osier, but understand that it grows sufficiently to be cut annually.

DIVINING RODS.

We cannot see that we should benefit any one by publishing the communication of "E. F. R." Mr. Editor:—Last spring, coming accidentally on this subject. We cannot oblige our neighbors

TREATMENT OF PEAR TREES.

Having much confidence in your opinions, I wish to inquire what particular treatment pear trees require?

Franklin, N. H., 1855.

Remarks.—Pear trees require a rich soil, kept duced 60 barrels of fair, good-sized potatoes, cultivated, so that it will be light and friable.

For the New England Farmer.

THE CONCORD GRAPE.

This new seedling grape has been much extolled in the agricultural and horticultural journals of the country. How justly it merits what has been said in its praise, there are, of tive, considering all the labor, trouble and excourse, various opinions. This is to be expected pease he has incurred in its procuration and of every new thing that comes up. Too many people are habitually prone, by nature, or otherwise, to use other people's judgment and reason, instead of their own. Such seldom know what to love or prize till some friend or neighbor tells them. So, oftentimes, new, useful and valuable improvements pass unheeded by them. So it is, and so we may expect it to be. Well, be it so. It is well enough to be duly conservative; but one should be sufficiently careful not to lose too much by the means, as I fear very many will in the matter of the Concord Grape.

One of your correspondents, I see, thinks it will take ten or fifteen years to establish the reputation or value of this grape. Well, let him wait that time, with his "place prepared," before he procures one, and see how much he will gain by it I do not believe any such length of time is required. to test its value. I believe it has already been sufficiently tested. As good judges as are to be found in such matters—who have watched its progress year by year, and side by side with the Isabella and Diana, are sufficiently convinced of its great superiority. I have watched this grape with much interest for some years. I know of ism out of us much faster. They are also grand its delicious flavor, its hardihood, its vigorous physicians to the physical and spiritual man, for growth and early fruitage. I have eaten freely of the fruit of the vine, and have tasted the wine made thereof, and am free to confess that I would willingly subscribe to and sanction the most withingly subscribe to and sanction the most people to "conquer their prejudices" against slandatory article that has ever been written in its favor. I have read what has been written project, to gain the "White" or any other house. favor. I have read what has been written proand con about this grape. Some articles have been true, just and honest; others have been anything but such—more of unhealthy disposition than of truth in them, and may be a little of assure such they will not go away empty or diswhat might go by a much worse name. But these appointed. and the motives may be little minded. Self-interest gives people, sometimes, strong prejudices, and makes them appear dishonest and ungentle-SIXTH LEGISLATIVE AGRICULTURAL manly. Yet such manifestations will have no bad effect upon any who know the grape or its originator.

Aside from all its worth as a first-rate table grape, it would be difficult to rate its value merely as a wine grape for New England. A more held at the State House, on Tuesday evening last. delicious wine than comes of it, I certainly never tasted, or wish to taste; and take it altogether, it will be a difficult matter to produce another grape combining so many good qualities. In so saying, I know I speak the minds of the best judges of its merits. So I am sure it will prove.

I write this article of my own free will; unsolicited and unbeknown to Mr. Bull. Mr. B. is a truthful and very worthy gentleman, one who may be safely relied upon. I have no interest in speaking thus laudatory of the Concord Grape. I do it because I know that thereby I do a good work for any one I may thus induce to purchase and grow it. There are many luxuries that may well and profitably be dispensed with; but the Concord Grape is not one of them. It is an indispensable article. Whosoever tries it fairly, He concluded by expressing the hope that the

I see, by an advertisement in your paper, that the price has been reduced from five to three dollars the single plant, and twenty-four dollars per dozen. If Mr. B. can afford to do so, I am glad; but I should hardly think his prices remunerative, considering all the labor, trouble and expropagation. At any rate, whether he is remunerated or not, he will have the happiness of knowing that he has done his country much valuable service.

Now, Mr. Editor, let me assure you that I never enjoyed a seat upon any cushioned mahogany half so much as a seat upon the ground under one of Mr. B.'s vines loaded with ripe, luscious grapes. Here one might be tempted to break the commandments if anywhere. To while away an hour here of a pleasant day in September—eat grapes and chat with Mr. Bull, of the wonderful and beautiful phenomena of the vegetable kingdom. One never gets a more realizing sense of the feelings of father Adam when leaving his vines and fruit trees, than comes when retiring from such a feast.

Now every one who has a house and garden, can have just such vines to sit under, just such fruit to eat, and such a place for meditation. Such things are good preachers, and better teachers of Divine revelations to our physical and spiritual bodies than many great-salaried theologians, for they root the relies of mythology and barbarthey purify the stomach and the blood, and thus bring the soul to light and liberty. I can easily imagine why Mr. Bull is a happier man than the President, or any other man who recommends

Now let me say to any one who may by any means have been induced to discredit my report, go, as I have done, and see for yourself. I can

Billerica, Feb. 12, 1855.

MEETING.

Reported for the New England Farmer, BY WILLIAM W. HILL.

The sixth agricultural meeting of the season was

Hon. E. A. Hildreth, of Groton, Senator for Middlesex county, presided, and made some interesting remarks in regard to the general subject of agriculture. In the course of his remarks, he referred particularly to the investments in railroads, which the farmers of Massachusetts made a few years ago, and the losses which they had sustained by the transaction. The farmers of Vermont and New Ammpshire, however, have reaped substantial benefit from the expenditure, which he could not help noticing in a recent visit to Vermont, where every town along the lines of railroad has a miniature Faneuil Hall market,

dertaking.

briefly the subject for the evening—Farm Stock.

have the discussion for the evening directed to a were eight or nine years of age, depending upon single point-What are the prominent qualities them to perform the principal team work of the to be sought for in securing an American race of farm, and then make a business of fattening them eattle !--in order to arrive at some definite re- for the market. Having reached this age and sults; but o'jection was made to limiting the passed the period when they take on flesh and fat latitude of debate, and the subject of Farm Stock rapidly and naturally, the process is a slow and exwas thrown open to the meeting in all its length pensive one, and the profit was found to be small. and breadth.

ing that the experience of farmers had demon-warm, subjects them to the yoke and handles strated that native stock was infinitely preferable them when young, and by careful and judicious to foreign, not only in cattle, but in horses, sheep management, makes them do the team work of and fowls. Practical farmers, he found, placed the farm while they are growing rapidly, and by their chief confidence in native breeds.

he was one of those who believed that we have a stall feeding of two or three months, and when native stock of cattle, for he considered that slaughtered make tender, juicy and rich beef, whatever was born upon our hills, whether commanding the highest price. It is difficult to originating from foreign stock or not, was enti- make cattle take on fat and flesh rapidly that tled to be called native; but he did not think have passed the natural period of growth and them "infinitely better" than all others. For physical activity. beef cattle, he was satisfied that a cross of the Durhams or Devons was superior to any thing misunderstanding in the minds of some in regard else, yielding more pounds of beef, and growing to the axiom, "like begets like." If a heifer of faster, larger and fatter. For the yoke, how-lany particular breed, say Durham, for instance, ever, nothing can excel our native cattle; he is coupled with a Durham bull, a pure Durham asserted this from his own experience and obser-calf will be the certain result; but let her go the vation for a long series of years. When speaking next year to a Devon male, and so year after year of working cattle in connection with English to mixed breeds, and there will be no certainty breeds, it should be borne in mind that in Eng- as to the character of her offspring-she will be land they do not know any such thing as oxen quite as likely to go back to the first type. It is for work; they use horses. With us oxen are asked why our native cattle will not produce used on all kinds of farm work, and, after a few certain characteristics in their progeny. It will, years, are killed for beef, a fact which is quite as surely as a Baldwin apple stock will produce important in considering their value. As for that variety of apples, if the stock taken is pure animals for milk, the Jerseys produce a quality and kept pure. Mr. Brown said he could comof milk which cannot be equalled anywhere; municate to the farmers of the State a plan by but for dairy purposes-whether butter, cheese which they could add to their annual income the or milk—he had yet to learn that any thing sum of two millions of dollars, and he thought better could be got than from a cross of the best they would readily admit that it was a practical bulls with the best cows of the native stock. He one. There are in the State 150,000 cows, whose knew of a dairy of native cows in Danvers, average yield of milk for the year does not exceed which vie' at as good products as Ex-Governor four quarts per day. Now, from experience and Lincoln's the blood stock; and another case in observation, he was confident that in two wayswhich a native cow, five years old, belonging to either by improving the breed, or by taking a widow ! wly, made 50 pounds of butter in 30 better care of stock, sheltering them and feeding days, bear a supplying milk for a family of four them more liberally and systematically with roots, persons, and in addition another quart per day, &c .- their milk may be increased one quart per divided between two poor families. And this day, which, at four cents per quart, would give with nothing but pasture feed, which he consid-the sum of \$2,190,000—an addition to their anered an important circumstance.

Mr. Brown, of the New England Farmer, next object. spoke, and alluding to the complaint of those Hon. B. V. Frencu, of Braintree, gave it as his

efforts of Massachusetts farmers to improve their who do not attend, that our discussions are not farm stock, would prove a more profitable un- practical, said he would confine himself to two or three particular points, each of importance, Mr. Knowles, of Eastham, followed, discussing and in which most farmers are immediately interested. With regard to oxen, it used to be the Mr. Copeland, of Lexington, endeavored to habit to keep a good pair of workers until they

Now, the farmer selects the finest steers, matches Mr. Knowles, of Eastham, spoke briefly, say-them, feeds liberally, keeping them clean and the time they are five or six years old, they have Mr. Proctor, of Danvers, followed. He said come nearly to maturity, and without a special

nual income which was certainly something of an

opinion that we have no pure Durhams here, as enough, and then vigor or certain qualities may is a very important matter. His man had told counteract the deterioration which supervenes in him that when his cows had been turned out for animals at certain periods, a pure blood cow a couple of hours during the late cold weather, should not be used for crossing, but a good one they gave two quarts less of milk—that is, they whose blood is mixed as much as possible, and an gave only 30 quarts where they gave 32 quarts animal as perfect as the male will be obtained. previously. Cattle should be kept warm, in a The hardiness or other quality of this cow will temperature of 40 degrees. In feeding cattle, be imparted without affecting the blood race. It turnips, which can be raised cheaply, are very is the predominance of one blood over another advantageous, saving a good deal of hay, and which makes a race. If a bull's pedigree goes bringing the animals out in better condition in back only for a short distance even, and he is put the spring. As to the breeds of cattle, he hoped with a mixed cow, a good race will be propathe day would come when the State or some be-gated. nevolent individual would make minute and systematic experiments, which would point out the perience accorded precisely with the views adrace of cattle best adapted to the peculiar wants vanced by the last two speakers. He avowed his of New England.

Hon. Seth Sprague, of Duxbury, followed. He remarked that he was not certain that he understood any thing about the subject; still, he had his opinion in regard to the matter, founded upon the results which eminent herdsmen had attained in other countries. He believed that the laws which govern the reproduction of animals, were as fixed and determinate as those which control plants, or other natural productions, and are as capable of actual experiments as chemistry or any other science. The breeding of cattle commenced in England seventy-five years ago, upon certain rules, and the fact has there been established that any kind of eattle desired can be for it by education, judgment and experience, raised, and with a certain result. Can a pair of and would be the work of twenty or thirty years. cattle be obtained in New England which will produce offspring exactly like themselves? Col. new race should be commenced not with one cow JACQUES said he would breed cattle to order of and one bull, but with herds, and those young any form or color. If we take good bred stock, cattle. After obtaining the race best adapted to we may be certain of the progeny; but with our New England, with its small farms-which would native stock good offspring are the exception, and be one combining in the highest degree milk, beef poor prove the rule. They are the result of a and work-offshoots would appear which would mixing of two hundred years, without regard to excel for milk, for beef and for work, separately, the laws which make like produce like, and we and we should thus get far better cows than we cannot expect to produce from this mixed blood now have. In Switzerland, where mitch cows an animal of any certain size, form, color or are most prized, the bull's pedigree is closely scruquality. The English herdsmen have raised their noble stocks by breeding for fifty years without her milking qualities, as it is the bull which decrossing. If you put a Devon bull to any kind termines the character of the offspring. of mixed cow, the Devon blood will predominate.

existed, and having all these qualities, a good which our limits will not permit us to sketch. breed can be obtained in twenty or thirty years. ces a fixed type, the process has been carried far room for them.

they have in England, Ohio, Kentucky and Illi-be infused by crossing. There is no danger of vinois. Ours are crosses. The treatment of cattle tiation after this fixity of type is attained. To

Col. Newell, of Essex, remarked that his exdisbelief in the notion of a stock of native cattle. We have none, and the reason is that no one has attempted to take so-called native cattle and bring out their peculiarities. Col. Jaques used a foreign bull in attempting to get up a native stock.

Mr. Sprague said he would admit that a breed of native cattle of a certain type might be raised, but it would be a matter of much difficulty and expense. Suppose a couple of cattle are taken, as nearly what is desired as possible, and in a year or two the head will be found too large, the body too short or too long, or some other defect appear, and it will be necessary to begin anew. The task would require a man peculiarly fitted

Mr. Fav remarked that the work of rearing a tinized, to see if his mother was distinguished for

Mr. Buckminster of Framingham, said the Mr. FAY, of Lynn, commended the views of yield of butter in this commonwealth might be Mr. Sprague. He believed that a race of cattle increased from five pounds to ten pounds per cow could be obtained from native stock equal to any per week, because we can have a race which will in the world. It has been demonstrated that we give it. He also offered some very interesting rehave as good milch, working and beef cattle as marks in regard to "native" and foreign cattle,

Pertinent remarks were also made by Messrs. It must be done by breeding in-and-in, until a Howard, of the Cultivator, Merrian, of Tewksfixity of type is obtained; when the male produ-|bury, and Emerson, of Boston, but we have not



DEVOTED TO AGRICULTURE AND ITS MINDRED ARTS AND SCIENCES

VOL. VH.

BOSTON, APRIL, 1855.

NO. 4.

OEL NOTRSE, PROPRIETOR, OFFICE OCINCY HALL.

SIMON BROWN, EDITOR.

FREРК ПОБВООК, ₹ HENRY F. FRENCH, \ EDITORS.

CALENDAR FOR APRIL

"Now careful gard'ners, during sunny days, Admit to greenhouses the genial rays; Vines, espaliers, and standard trees demand The pruner's skilful eye and steady hand; And num'rous shoots and roots court the kind toil Of transplantation, or another soil."



PRIL, showery, flowery, cold windy, and warm, fickle April, has come again, knocking briskly at our doors to learn whether we are prepared for him-for of what use are bright suns and warm showers to the farmer, if his land remains undrained, unplowed, and

nearly as compact as the beaten We trust that the soils of our readers are ready to appropriate all the sunshine and showers and vernal airs to themselves which fall upon them, and will feel their grateful effects until their harvests are perfected.

April, inconstant as it is, is welcomed by all. It kindles new senti-

ments of gratitude and love in every breast. Old and young express new joys, and look for the fulfilment of long cherished hopes. Birds begin to appear, lambs skip and frolic, the hum of insects is heard, and all animated existence awakens to new life.

dens are "now rendered gay by the yellow, blue, cover and charred the next April, will last 25 to and the white striped crocuses, which adorn the 50 years. Mr. Reynolds, agent of the Copperas borders with a rich mixture of the brightest col- Works at Stafford, Vt., states that "timber which ors. The fields look green with the springing has been saturated with copperas and exposed to grass, and a few wild flowers appear to decorate all weather for forty years, is perfectly sound and the ground. Daisies begin to be sprinkled over hard, and has become something of the nature of the dry pastures; and farther south the moist stone. Timber that has been soaked in copperas banks of ditches are enlivened with the glassy water, one pound of copperas to two gallons of starlike yellow flowers of Pearlwort. And in this water, will last more than twice as long as that

and the most delightfully fragrant of all flowers, the Violet, discovers itself by the perfume it imparts to the surrounding air, before the eye has perceived it in its lowly bed. Shakspeare compares an exquisitely sweet strain of music to the delicious scent of this flower:

> it came o'er my car like the sweet south, That breathes upon a bank of Violets, Stealing and giving odor.'

April, inspiring as it is, leaves a great deal of hope and pleasant anticipation for May-especially for lovers-because May brings the fruition of hope; seals the plighted vow, brings the birds, the flowers and blossoms of every delightful hue and fragrance. But we must not venture too far on that enchanting ground-other duties press, belonging to April, and they must be attended to

Fences.—In the country, where snows are deep, and in places where the frost penetrates, fences become more or less broken or displaced, and need repairing. If eattle are turned to pastures to browse the bushes, as is often the ease, before fences are repaired, they rove at will over other people's domains and thus acquire a habit which no fence but one of the best character will prevent. Replace fences early and thoroughly, or you will probably be electrified some hot afternoon in haying time by the announcement that your herd is destroying your neighbor's corn-

Timber cut in the winter will not last so long for posts as that cut in September; and good And so it is with inanimate objects. The gar-chestnut cut in September, peeled, seasoned under month Primroses peep out beneath the hedges; which has not been thus prepared."

more than the original cost, and still, it is an old, carrots when they are sowed the last of April or ricketty plaw. It always did "run to land" too early in May, as the season may be, and then much, and always will, perplexing the plowman taken good eare of afterwards. and fretting the team. It has a radical defect, past all cure of inventor or mechanic. Do not mowing fields in April, when the ground is soft work with beavy, uncouth implements—they drag and spongy. Many a man feels cross—if he don't down the body like a perpetual sorrow upon the swear—in haying time, owing to this slovenly mind. Boys often acquire a disgust for farming, practice. merely from the use of the miserable implements placed in their hands. The lighter the tool, the better, if strong enough for the work for which it was intended. The workman who uses his shovel to pry up a stone, and breaks it, should be ticle as briefly as possible. Last spring, I took required to pay for it, and the next time, if not incorrigibly lazy, he will probably use the bar. incorrigibly lazy, he will probably use the bar. Lut a shoveful of compost manure in each hill, Use light rakes, made of good material, and so of levelled it, and dropped in a handful of the mixhoes, spades, soufflers, and all other implements. ture, covered it with one inch of earth and plant-We have beaten the English in the construction ed it with corn. It came up badly, except where of our agricultural implements, in their adapta- the land was quite moist, where it came up well, tion to the work required of them. Use the grew well, and ripened well. Think the guano Wheel Hoe, by all means—it costs less than two was beneficial. Pumpkins grew enormously. dollars.

to your fields?

quicker than you can.

KITCHEN GARDEN.—If you have brought forward plants in hot-beds, you may transplant will be benefited by guano. That it should be to the open ground this month early encum-baried more than two inches in this hot and dry bers, melons, cabbages, cauliflowers, lettuce, climate. That the farmer who has a small maradishes, &c.; but they must be watched and nure heap, may use it in limited quantities with protected if the nights are too cold. Clean out That it is better for starting than for ripening a the strawberry beds, the currants, raspberries, crop. That I should again use three or four times and gooseberries. Stick down cuttings plentiful-as much plaster as guano in the mixture, especially ly of such fruits as you wish to propagate. The on lands remote from the sea-board. That it is a cherry cutting will grow if put down in a moist poor article, if it will not make the nese tingle and shady spot.

FLOWERS.—Encourage the women and children to cultivate a few flowers, by preparing a suitable place and procuring the seeds or roots. Depend nor subtract from this article, till I know more upon it, they will bring smiles upon your lips and radiate your own heart before the summer

FRUIT TRIES.—All kinds of fruit trees and forest trees should be transplanted before the leaf buds shall have come out. The reader is referred to former volumes for the mode of proceeding.

PLANT EARLY.—Prepare to plant early, while order to save weeding, for it is better to pull weeds winter-killed."

FARM IMPLEMENTS.—To use that old plow longer than to keep plowing, and then find the seeds reis bad economy; repairs have already come to fuse to come up. We never fail of a good crop of

Poaching.—The stock should not traverse the

For the New England Farmer.

USE OF GUANO.

I will give my experience in the use of this ar-

Broke up a piece of ground for potatoes, and put the same mixture in the hill, without other Crops.—Have you assigned the particular crops manure, as its application for two years previous had caused the potatoes to rot. failure. On a portion of the same piece, I plant-Plowing.-"I am determined to go one inch ed the pea-bean, furrowed the ground and strewed deeper this spring than I did last." Well, that into the furrows a small quantity of compost, and is a capital resolution—carry it out. Do not be also the guano mixture. The crop was the greatin haste about plowing the wet, heavy land, be- est I ever saw. Where the mixture was prepared on a spot of winter-killed grass, the weeds came cause the sun, wind, and evaporation will bring up and grew exceedingly rank. I placed the it into suitable condition for planting, or sowing, mixture around some plants in the garden after they were up, without any visible effects.

Inferences.—That such plants as contain a large and the eyes moist on smelling it, when a lump is broken open. That I should not in any case, mix it with ashes. Finally, that the farmer must make his own manure. I can neither add to, about it.

Bethel, Me., Feb. 17, 1855.

Effects of the Winter.—A note from Mr. J. F. C. Hyde, the well-known Newton Nurseryman, says, "There is no prospect of any peaches with us; every bud that I examined was killed. It has been a very hard winter for grain and grass that was sown late. Nursery trees have the soil is moist and light. Do not believe the been thrown out by the frost more than they gendoctrine that it is better to sow carrots late, in erally are. I find roses and many other things

TURNIPS AS FEED.

Winte in attendance upon the late National Poultry Show at Barnum's Museum, we spent a few minutes in the "Lecture-Room." Our friend, Mr. Solon Robinson, was making remarks upon the use of turnips as feed, as reported in some of the journals of the day. He took the position that they were good for nothing as nutriment, and sustained himself by giving its analysis. This all very well, but, unfortunately, it is not in accordance with well-known facts. We used to talk in the same way, but were obliged to wield talk in the same way, but were obliged to yield not simply to a few doubtful experiments, but to years of experience. This the speaker seemed to time since you published in the Farmer a number feel, for be admitted that 'in England it might of articles upon the habits of the birds of New not be so.' But we suppose a turnip in England, England, written by one who is anxious for their is very much the same thing as a turnip in New preservation, and who, for many years, has obtork. He also added that they should be fed by served their habits, when, in their migratory visits turnin; the cattle in upon them, as they are from the South, they have taken up their tempogrowing in the field. We cannot see the force or rary abode in his grounds. In these articles, I propriety of this distinction. Is it not the same endeavored to show, by their mode of living, worthless thing before it is pulled, as afterwards? their great benefit to the farmer and horticulturist Must the eattle or sheep pull it, or bite it off, to in the destruction of vast numbers of noxious render it nutritious? But even here there is no insects, the folly and cruelty of destroying escape, for the English practice is, after the ani-them. I endeavored, also, strongly to impress mal has bit off as much as is practicable, the root upon all cultivators of the soil the importance of

Northern Farmer:

winter, is white flat turnips. Some, perhaps, written upon the subject, will object to the turnip, because it will affect. Danvers Port, Jan. 26, the taste of the milk and butter. So it does if fed raw: this can be avoided by boiling. For THE WINTER MIGRATORY BIRDS OF each cow, boil a half a bushel of turnips soft; white bot, add five or six quarts of shorts, which will swell, and you will get the full worth of it. A mess like this fed to a cow once a day, will Anvil.

the line. Not being satis at with this, I procured such long journeys. They are strangers to beau-

three or four more, put them in a glass tumbler, While in attendance upon the late National and poured on them aqua fortis (nitric acid)

Mr. Editor: -It will be recollected that some remaining in the ground is then lifted by a fork putting an immediate stop to the shooting of and left on the top of the ground, for the cattle birds on their premises, by motives drawn from to eat at pleasure.

We are compelled to admit that there is sometive, were confined principally to those birds thing in this fact of nutrition, that no doctrine found in New England, that migrate from the confined principally to those birds the service of the state of the support of the service and president the support of chemistry or physiology is able to explain. South in the spring, and passing the summer The feet is anquestionable, that turnips are ex- with us, return again in autumn. But there is cellent for fattening sheep and cattle, whether we another class of birds, arriving from the north in can explain why it is so or not. It is equally the fall and winter, that I consider very useful to true, as Mr. R. stated in the same speech, that the cultivators of the soil, they either remaining about 97 per cent. of the flat turnip, as shown by with us through the winter, or leisurely passing a chemical analysis, consists of water. These on to the South as the season advances, and returntwo facts, so apparently contradictory, are entirely ing, visit us again in the sping, on their way to above and ocyond contradiction. We subjoin the their breeding-places at the north. It is to this following, on this subject, which appears in the class of our birds I wish to direct the attention of your readers, and claim for them protection. "The vegetable I wish to recommend as the How far I have made good this claim, can be debest, all "nings considered, for mileh cows in termined after reading the articles that may be S. P. Fowler.

Danvers Port, Jan. 26, 1855.

NEW ENGLAND --- No. 1.

BY S. P. FOWLER.

These birds form a class whose habits and produce more milk of a good quality than any mode of life are somewhat different from many of other feed at the same cost. Turnips fed in this the other feathered tribes. Some of them reside way do not taint either milk or butter. One in gloomy forests, and are seldom seen by man, thing in favor of turnips as feed for cows, is, that and being provided by nature with warm cloth-they can be sown in August, or as late as the ing, they are enabled to resist the severest cold, first of September. I sowed some as late as Sep- and apparently are content with the most scanty tember, last year, which were very fine. Turnips fare; their breeding-places are in the icy regions are also very profitable find for the result of the North and they are soon by us only in are also very profitable feed for pigs, when boiled of the North, and they are seen by us only in the same way as for cows."—Plow, Loom and their migrations. In consequence of this limited time for observation, and their summer residence in high northern latitudes, we see nothing of Wigh-worms-their Tenacity of Life. - I have them at home, when arrayed in their nuptial been experimenting a little with wire-worms. I dresses. Some of the birds inhabiting these cold took some quick lime and made a paste with it regions, are very hardy and robust, and covered about as thick as cream, and placed six wire-worms in it, stirring them in. I went to them in three days, expecting to find them dead, but they ful birds, and excite our surprise that with such were as smart as ever, and crawled readily out of comparative feebleness of flight, they should take

tiful gardens and highly-cultivated fields, never been in the habit of transplanting the suckers entering them except in autumn when the sear from old trees, and then from these to another and yellow leaf is upon the trees, or in spring, generation, until they had completely degenerated when they have fallen to the ground, and before and could not be made to bear to any extent, the swollen buds have expanded. We should He doubted whether the habit of grafting on suppose that these feeble birds, after having such stocks would be successful. Dr. True enpassed the winter at the South, might some of dorsed the statement of Mr. Thompson. He rethem be induced by the natural beauties of our an-membered trees that bore the greatest quantity cient commonwealth, as seen in her forests, lakes, of fruit thirty-five years ago. Seedlings were rivers, orehards and gardens, to stop and pass the obtained from these which bore also; but, during summer with us, and forego their journey to the a severe winter, the tops died, and an attempt was North. But this they seldom do, impelled, as they made to renew the stock by transplanting the probably are, by an instinct implanted in them suckers, but they never bore freely. This pracby an all-wise Providence, difficult for them to tice has been carried to a great extent, especially overcome. And did not this principle exist in among farmers in Maine, and had done much all animated nature, viz., a desire to inhabit par- to discourage them from cultivating the plum. ticular districts, we should see the strange spectaIt had long been known that the apple would not
cle of one portion of a country crowded with animals, while another portion, less attractive,
would be entirely destitute of them. But by the
wise arrangement of Nature as we now see it,
habit of Western fruit-growers of root-grafting. animals, birds and plants, by their peculiar con-making two or more trees out of one original formation, are made capable and desirous of in-root, was of doubtful utility, although we need habiting particular districts, and are thus distrib-more information on that point. The people need over the entire globe, so that no part of it, should know what they are about. Probably however cold, dreary and uninviting, is destitute fifty thousand apple trees were set out last spring of its inhabitants,

this communication.

Danvers Port, Jan. 26, 1855.

[TO BE CONTINUED.]

For the New England Farmer.

BETHEL FARMERS' CLUB.

of the plan of operations in this society might of the society was that the price of dwarf pears stimulate others to form similar associations, I is too high; that a cheaper rate could be afforded send you such information as may be of service. for all the more common kinds. Attempts have

plicity and efficiency.

chase books, to the amount of at least one dollar is probably sixty years old, and there is no diffia share, on agriculture, horticulture and similar culty of their winter killing at the root, as in subjects, and loan them to the club, with the some places, for the ground rarely ever freezes privilege of withdrawing the same, together with before it is covered with snow for the winter. their connection with the society, should any Care should be taken to tie the tops together one choose to do so at any subsequent time, while young, as the heavy snows will certainly By this means we soon obtained a library on all split them down. The Bartlett pear, which is the subjects necessary for such an association, very tender, can easily be matted after tying These are put in charge of a responsible librarian, round and drawing together the top with a stout and exchanges made at the weekly meetings of cord. A very slight protection is all that may the society. We have as few regulations as pos- be necessary. sible—no two-thirds vote to tie our hands, but rely mainly on the individual interest of members. We meet at the houses of the members, with einders from the blacksmith's shop, or with take our wives with us, such as have any, and charcoal, was well calculated to absorb the rays combine social intercourse with the discussion of of the sun and force them to ripen, as well as with only one provise—that our host shall pro-vide us with the best fruit in his possession, bed, might be set in a frame near to the vines This latter, however, was only an appendage to which run on a wall during the period of ripen-our last meeting, as we were furnished with an ing, and thus prevent the frosts. oyster supper, to our especial gratification.

pet of Fruit and Ornamental Trees. Among the points under consideration was the fact that the common plum trees did not produce now as formerly. The Rev. Z. Thomrsox stated that the winter. Others had not pruned at all. This region of the control of the control

in Oxford county alone, and the most of these With these preliminary remarks, we will close are western trees, though justice requires the statement that they generally appeared well in this vicinity in the fall.

In regard to the pear, it was suggested by Dr. Twitchell and others, that an agent be sent to some nursery to select trees instead of sending orders. No man would send an order for a sheep Messes. Editors —Thinking that some notice it before he purchased. The general impression I think our plan will commend itself for its sim- been made to propagate the pear on the mountain ash and thorn, but with doubtful success. One year ago a few individuals agreed to pur-One standard pear still lives in this village, which

Remarks were made on the ripening of the whatever subject has been previously announced, add to the health and growth of the vines. It

Remarks were also made on transplanting Perhaps some account of our last meeting forest trees. People had run into opposite exmight be of general interest. It was on the sub-tremes on the subject of pruning. Some had left principal reason was, that people in Maine had would do if the tree were an evergreen, or if all

the roots and earth could be taken up with the this is but one among the many such books that tree; but this could seldom be done in this vihave been given to the public from time to time, cinity. Hence the practice of heading in, that by the same enterprising publisher, C. M. Saxis, of cutting off a portion from the extremities ton, of New York, who has become not a little as the better course.

Other remarks were made, by different members, on these and other topics, which will give your readers an idea of what we are doing, and how we do it. The result of last year's operations has been to cause more fruit trees to be transplanted than in all the previous history of the town.

haps they may need modifying or confirming by am induced to send you the results of my own those of your readers who have had more experience than a two year old society.

Bethel, Mc., Jan. 24, 1855. N. T. TRUE.

culture. Success to your noble enterprize.

For the New England Farmer.

A GOOD BOOK.

the great majority of books that come from the its age, fertile and swiftly-flying presses, are not fit to be kind is good,) I have ever seen; it is written in make the trial, at least on a small scale. such a style that he who runs-if he reads-may of all matters pertaining to agricultur 1 chemis- cient size, ripening late in the fall. try. Every topic is treated in a clear and concise manner, and is worthy the attention of even that perhaps twenty varieties, so that the experiment class of farmers, who are apt to speak disparag- was sufficiently extensive to test its success. ingly of books. This one ought to be in the hands of every person who owns or cultivates a rod of land. It is calculated to do a great deal towards removing the prejudice that has existed against such books on account of being filled with "unpractical" matter, written in a strictly seelsnical syle. And here let me quote a few lines from the author's preface. "The design of the Auerican Muck Book, then, is not to present any novel or hitherto unheard-of theory or hypothesis in agriculture; but to collect, arrange, in a simplified form, together with such facts and given time than could be got from the seed. observations as have come directly under the notice of the author, and such as may safely be the same fine in such a manner as shall come of impossibility for young sheep to eat the turnips within the comprehension of the working firs-without being out. I am certain that they will mer who may have formed comparatively but not thrive so quickly, and I consider that one little acquaintance with chemical science." And part out of three is lost. There is this difference

of all the principal branches, which would pre- noted as a publisher of agricultural and scientific vent that violent shock to the tree, and cause it works. In closing, let me advise all your readto put forth new and healthy shoots, and give a ers to purchase a copy, and I assure you and symmetrical form to the tree, was recommended them, that they will find their money has been well expended.

Newton Centre, Feb. 14, 1855.

For the New England Farmer.

RAISING APPLE TREES.

Mr. Editor:—Observing in the January number of the New England Farmer an article under As the ideas advanced here are new to us, pertube head, "How long it takes to get Apples," 1 experiments.

In the fall of 1845 I planted with my own hand some pomace. The next spring the seeds came up finely, and by the last of August had REMARKS.—These are the plans of operation grown to such a size, that with the exception of which are preparing the way for higher modes of one, I budded the whole of them. That one was culture, and for more thorough means of instruc- so large in its growth, so smooth, so straight, its tion, both in the theory and practice of agri- leaf so handsome, that I was sure it would produce a good natural fruit. The buds did well, the trees the next season grew nobly, and in four years from the bud I began to have fruit. Last year a good many of the trees, which were transplanted when three years old, bore finely. In transplanting them I took pains to have large and Mr. Entrer: - Though this is emphatically a deep holes, which I filled with compost and good book-making and reading age, when books are soil; so that at this time, the trees have attained published and sold, not by thousands, but hy hun- a size and thrifty appearance which makes my dreds of thousands, yet it is equally true, that young orehard one of the best I have ever seen of

I had the opinion formerly that it was the read; and it is refreshing to find a new work work of a life to get an orchard from the seed, that we can with truth call good—Such I believe but I have found out to the contrary, and as there the "American Muck Book," by Dr. J. Browne, is great pleasure in rearing our own trees, I would to be. It is one of the best of the kind, (and the recommend to every one who has opportunity to

In regard to the one tree I left unbudded, it understand: and evidently by one who is au fait proved, as I expected, a good fruit, fair, of suffi-

In the whole I raised several hundred trees, of

Amasa Walker.

N. Brookfield, Jan. 29, 1855.

P. S.—According to my own observation, apple trees should be transplanted within three or four years from the seed. If they are allowed to stand longer, they sustain more injury from removal.

I suppose I shall not be misunderstood as recommending the planting of seeds as the quickest way of getting a productive orchard. Every one must be aware that, other things being equal, and condense what men of experience and sound trees produce in quantity according to their age, and if trees are set out seven or ten years old, judgment, both of ancient and modern times, and if trees are set out seven or ten years our, have already written upon the subject, embodied given time then could be got from the seed.

Cutting Roots for Sheep,-A correspondent recommended for general practice, treated of at of the Mark Lane Express says :— It is a matter

in cutting turnips and not cutting them: Supposelyon put 100 sheep on turnips not cut and one pound of oil-cake; they will not do so well as 100 sheep put on turnips cut without any cake, neither will they be fit for the butcher so soon by two months. Let any one try it: they will find my remarks upon this matter quite true."

For the New England Farmer.

A WINTER NIGHT.

BY THE "PEASANT BARD."

It is a gusty, winter night!
The winds go howling on their flight,
And raving past my windows bright,
With turious din.

S t the wild drift, like some chilled sprite, To peer within.

Anon he tries, and shakes,the sashes; Now at the panes makes furious dashes; He scratches, rattles, hisses, lashes,— In vain he tries;

But folds his white robe, "pale as ashes,"

And down he lies.

I look into the night, and spy
The tree-tops wrestling with the sky;
Now bowing, as the blast goes by,
Now tossing mane,
Like things of life, that would defy
The blast again.

It comes again: how hoarse it roars,
As through the sounding wood it pours!
The avant courier shakes my doors,
And fans my fire.

Now smites the Storm-king, as he soars, His awful lyre!

There's music in it to his ear,
Who, halled to soft repose, may hear;
But, ah! how many shake with fear
At strains so dread,

To whom it plays a requiem drear For comforts fled!

Gop's creatur;s that are mine to keep— The patient ox, and "silly sheep,"— I cannot "lay me down to sleep" Unless I know,

They're safe from these fierce gusts that sweep

The smothering snow.

While by the crackling hearth I stay, My thoughts go forth, and far away They follow where the mad winds play O'er land and sea;

What tragic pictures they portray, All truthfully!

I see the poor, less blest than I;
The tear that freezes when they cry;
I see the sons of Misery,
Begot of Crime.

When shall a guilty world espy Millennial time?

When shall the poor by faults their own, For all their self-abuse atone? Let the beguiling cup alone, Fell source of woe,

And send its train attendant prone
To shades below?

When shall the poor whom Heav?n makes so,
The widow, pide with want and woe,
And hungry orphans, born to know
That living 's dying,
Find that the prophet-feeding crow
E'en yet is flying?

I see poor sufferers in distress Upon the watery wilderness; How rearing surges now suppress Their "bubbling grean," As down they sink, all coffinless, To depths unknown.

I see the pensive forest-child,— The Indian, in his snowy wild. The drift around his wigwam piled Is not as cold As is the white man's "mercy mild;"—

Are all men brothers? Can we call, Who dwell upon this earthy ball, One God the Father of us all—
The lost, the saved?
Then why is this a luckless Soul

Write, knavery bold.

Then why is this a luckless Saul, And that a David?

Why made to differ? Answer's drowned By the great wind-harp's solenn sound. O, never yet was answer found! But this we know: Man's heart is like the fallow ground; See what ye sow!

For the New England Farmer.

SHORT-HORN CATTLE.

As the raising of stock, and the importance of improving our breeds of cattle, e-pecially in New England, is beginning to attract the attention of the most intelligent farmers of our country, I think it will be interesting to the readers of your paper, to allude briefly to a particular breed of cattle, the fame of which is already too wide spread to require any notice from me. But knowing as I do from actual experience, the real value of this stock, I think a confirmation of what has been said concerning it, will be no more than justice to the public, and to the intelligent breeder who has conferred so great a benefit upon his brother farmers.

I refer to the beautiful herd of short-horns, owned and bred by Paoli Lothrop, Esq., of South Hadley Falls, Mass. I had the pleasure of examining this stock during the past summer, and was most amply paid for my journey. Mr. L.'s herd is not large, but very select, and in my opinion, is not excelled in the two important requisites, particularly for the New England farmer, of milk and beef, by any family of Durhams in our country. In breeding, Mr. L. has paid particular attention to the milking properties of his stock, as may have been seen by the statement of the quantity of batter made by his cows at different times, which appeared a few months since, in the Boston Cultivator, and which accords entirely with my own experience. He has bred alone from animals of undoubted purity of pedigree, which can in all cases be traced back, on the side of both sire and dam, to the three first volumes of the English Herd Book.

I have bred from bulls and cows of his herd for the last ten years, and have found that a judicious cross of his bulls with our best native cows resulted, invariably, in a decided improvement upon our stock. The high grade take on flesh when not in milk much more rapidly, and yield more abundantly at the pail, than the natives. We made from two three-years old heifers of this description, which calved about the first of

during the excessive drought in August. She was leaves.—Country Gentleman. reared it the ordinary way, and was not an exception to our stock in general, possessing the same blood. Her weight on the 15th of June last, was 1200 lbs., and on the 15th of September she weighed 1560 lbs., having gained 360 lbs. been made to the herd of this gentleman in the should be taken up carefully, as many roots rebull "Kirkleavington" lst, (11640) which is a tru-tained as possible, and that the roots be kept ly noble animal, possessing great vigor and fine symmetry, and will prove of great benefit to all who agree, likewise, that, in setting out the trees, avail themselves of his services. This superb animal was sired by Duke of Wellington, (3654,) and bring it directly in contact with every porwho was out of Oxford premium cow by Shortton of the roots. But when it comes to the tail (2624)—his dam, Lady Barrington 3d, out of question of the proper time for transplanting Lady Barrington 2d, by Cleveland Ladd, (3407.) trees, there is some difference of opinion. One and hence to trace his pedigree one step further. his blood is

‡ Short-tail out of Duchess (32) by Belvidere (1706.) ‡ cow Oxford, out of Matchem cow by Duke of Cleveland (1937.) ‡ Lady Barrington (11) out of Lady Barrington by Belvidere (1706.) ‡ Cleveland Ladd (3407) out of Matchem cow by Short-tail (2621.)

It will then be seen that he is full in the best blood of the herd of the late Thomas Bates, of Kirkleavington, England, as any bull in this country, except two or three whose dams were Duchess cows, and imported at a cost of more than five thousand dollars each. B. Sumner.

Woodstock, Ct.

CULTIVATION OF SQUASHES.

the Country Gentleman, page 330, has kindly enough for some of our winters, is injured some-furnished us with his method of cultivation, as times by the harder freezing of the ground where

till the hills are thoroughly warmed before plant-them. ing the seed. Care should be taken to plant the

this will force them along rapidly, and protect under a crop of grass. (b.) The frequent stirring them from the depredations of the bugs, &c. of the soil is absolutely essential to the growth They should be watered once a day, till large and development of the tree. There are very few enough to dispense with a covering, being care-soils so poor that they will not grow fruit trees,

July last, being their first calves, in October, 1½ good healthy plant in the hill sufficient, as it will lbs. of butter each per day; they were fed on produce larger squashes. When the plants begrass and ½ bushel of roots each, per day. In Sepgin to cover the ground, cut off all the runners tember, 1 sold a heifer four years old, which from the main vine except the one nearest the weighed 1080 lbs., dressed. She was \(\frac{3}{4}\) Durham, root, as these will set first and produce the best. and \(\frac{1}{4}\) native, and gave milk during the winter Not more than one or two squashes should be alprevious. This animal never ate a particle of lowed to grow on a vine. Soap suds or liquid meal after she was a calf. She was fed on grass manure is good for them while growing, being alone, with the exception of a few corn stocks, careful not to apply it too strong, or on the

For the New England Farmer.

SETTING OUT FRUIT TREES.

There is little difference of opinion among in three months. This cow was a granddaughter nurserymen and fruit growers in regard to cerof Mr. Lothrop's bull "North American," (4253) tain important facts connected with the trans-English Herd Book. A valuable acquisition has planting of trees. All agree that young trees been made to the herd of this gentleman in the should be taken up carefully, as many roots reand hence to trace his pedigree one step further, nurseryman will tell you that all seed fruit (apples, pears and quinces,) should be transplanted in the fall, and all stone fruit (peaches, plums, cherries, &c.,) in the Spring. Another will tell you that all fruit should be transplanted in the fail, and another is quite as earnest in the belief that spring is the best time. So many circumstances of season, of soil, of climate, and of subsequent treatment, enter into the culture of fruit trees, that these conflicting views are scarcely to be wondered at. Nevertheless, the waiter of this believes that the great preponderance of testimony will be found in favor of fall transplanting for all kinds of fruit trees. No good reason has yet been given why stone fruit should be affected John McKee, of Bristol, Vt., who raised the differently from seed fruit, by fall transplanting. large squashes mentioned in the last volume of It may be that the peach, which is scarcely hardy it has been disturbed in the fall; but the easy As soon as the ground is warm enough to in-remedy for this is the covering of the roots with sure quick germination, I dig, on a southern ex- a greater depth of earth than is intended shall posure, holes two feet deep, and two feet apart remain upon them, thereby shielding them from each way, excluding the bottom soil and retainthe too greater severity of the frost. (a.) In ing the top. The holes should be filled within fact, it will be found much to the advantage of ten inches of the top with well-rotted hog or sta-all trees transplanted in the fall, to heap around ble manure; the former I prefer. The holes them a mound of earth which will be sufficient should then be filled up with the top soil taken to turn off the water occasioned by melting snow, out, and be allowed to remain three or four days and to keep the wind and frost from displacing

It is customary with some farmers to stock seeds at the proper depth to insure their coming down their young orchards with grass the first, up—in a warm, dry soil, from two to three inches; second, or third year after the trees are set out, in a cold, wet soil from one to two inches deep.

As soon as the plants appear above the surface, place four bricks, blocks of wood or a small than thrown away.

Trees, especially on our old box large enough to place a pane of glass upon; lands, will not grow with the roots bound down ful not to apply cold spring water, or at a time if kept well stirred up with the plow, the culti-when the sun shines upon them. Morning or vator, or the hoc. In fact, those who have been evening should be set apart for this. I think one most successful in the cultivation of fruit for

market, are of opinion that barn-yard manure is jured. In fact, it is better to break or disby no means requisite to the speedy growth of place a root occasionally, than to permit the soil wood fibre; and the writer of this has grown to become hard, sod-bound, or overrun with apple and pear trees quite as fast as they ought weeds. to grow on a hard and gravelly soil, with no other manure than compost, placed in the hills of corn and potatoes planted among the trees. The stirring of the earth, in hoeing the crops, was much better for the trees than any possible to transplant peach trees in the spring, we should recommend that season. So far as our observanure must be used, let it be upon the surface of simple fact. the ground, whence its juices will find their way them. But a better way is to dispense with distant, if on another side the land be mellow stable manure entirely, and mulch the trees, and rich. during both summer and winter, with straw, old.

away from the knife. Both these extremes are world would but avail themselves of his teachings to be avoided. When the tree is transplanted, and faithfully stir the soil, benefits as great would about as much should be cut from the limbs as thow from it as have ever been conferred by steam. tree should be slightly trimmed from year to year thereafter, as it developes its suckers or state what season he considers the most proper superabundant wood; but on no account should for pruning. the larger limbs be severed, unless they are in some way diseased. They may be headed in, if inclined to grow so as to give an awkward aprearance to the tree; but the severing of large limbs cannot fail to shorten life. In such matters as these, the better way is, never to listen to the LLAM D. Brown, in your January number, are suggestions or of the part of the little of the litt suggestions or extravagant opinions of those whose more to the point than I have ever seen. I have which every man's common sense will suggest, if mediately after gathering the fruit. he will but take the trouble to think upon the ordinary rules which govern vegetable life. (d.)

soil around their bodies kept in a mellow condition, while the grass sward occupies the remainder of the field. This is wrong. It is the earth at the extremities of the roots which needs to be kept loose, that they may extend themselves in every direction from the tree. In order to ascertain the difference between these two modes of cultivation, the writer of this, last spring, purchased at auction a dozen small peach trees. Half were set in ground planted with potatoes, and the other moiety in grass land, where the soil and other moiety in grass land, where the soil and pass under them, and also to prevent cattle from sod were only disturbed sufficiently to give place browsing the limbs. The former more than doubted to the trees. their size, while the latter scarcely grew at all. It may be safely set down as a rule, that land devoted to fruit is in no danger of being too turist says, "Of all applications for a burn, we often or too thoroughly cultivated, provided the believe there are none equal to a simple covering

amount of manure would have been, if left lying recommend that season. So far as our observadormant with the soil. (c.) On no account tion and practice extend, the spring has been whatever should stable manure be brought in found the most favorable. We regret our inadirect contact with the roots of trees. Its inva-bility to give a reason for this, more than the riable tendency is to canker them. If such massimple fact

- (b.) The roots of young trees will turn away down to the roots quite as fast as is good for from grass, though it may be two or three feet
- (c.) In our opinion, there is no mistake on the litter from the barn-yard, potato tops, small (c.) In our opinion, there is no mistake on the brush, or even shavings. These substances keep farm so prominent as that of neglecting to stir the ground loose, and at the same time impart to the soil sufficiently often. It is to this fact that it that constant vegetable decay, which is essential to the formation of fibrous wood. Swamp muck and peat muck are also excellent substances duces more than double the number of bushels per to place around fruit trees, whether young or acre of that sown broadcast, and the soil not touched afterward. "Stir the soil-stir the soil"-It is also important that judgment should be ought to be inscribed on the trees and gate posts exercised in the trimming of fruit trees. Some wherever the farmer goes. Why should the permit them to grow with suckers at the roots and on the limbs, and others cut and slash away memory of WATT and FULTON be chrished more as though all a tree had to do was to grow itself than that of Jeturo Tull! If the farmers of the
 - (d.) We regret that our correspondent did not

For the New England Farmer.

ON PRUNING.

knowledge is in inverse ratio to their practical ex- tried all seasons for pruning, and have come to perience, but to pursue that judicious course the conclusion that the best time to prune is im-

I would trim or prune cherry trees in July; nary rules which govern vegetable life. (d.)

In some cases trees are set out, and a few feet of a round their bodies kent in a mellow condition that ripen the fall;

Yours truly, S. A. Shurtleff.

roots of the trees are not broken or otherwise in- of common wheat flour. This is always at hand,

and while it requires no skill in using, it produces almost astonishing effects. The moisture the protective covering. Another advantage of a paste which shuts out the air. As long as the washed off, without further irritation in removfluid matters continue flowing, they are absorbed, ing. It may be occasionally washed off very careand thus prevented from producing irritation, as fully when it has become matted and dry, and a
they would do if kept from passing off by oily new covering be sprinkled on." or resinous applications, while the greater the

produced upon the surface of a slight or deep the flour covering is, that next to the surface burn, is at once absorbed by the flour, and forms it is kept moist and flexible. It can also be readily



WAKEFIELD'S HAND CORN PLANTER.

This implement was patented July 25, 1854, ture, by bringing it into perfect and close contact corn, broom-corn seeds, beans, and similar seeds. up and growth of the blade. It is carried and used (as represented in the above) quired number of seeds in a hill.

"The method or mode by which the seed is

by Charles A. Wakefield, of Plainfield, Mass., with the soil under and around it, while the airth and the inventor says, "is designed for planting falling loosely over, cannot obstruct the coming

"The Planter is simple in construction, not liengraving) as a cane or walking-stick, requiring able to get out of repair, and weighs about seven no delay and no additional motion and effort. Is pounds, and costs the farmer only five dollars, adapted for planting in rocky and uneven ground, which price he can afford to pay, if used only for and in all kinds of soil. Is easily adjusted to planting in a common garden. With this impleplant at any desired depth, and to drop any rement one acre of corn can be planted in the most perfect manner in one hour."

We have examined the implement described planted with the Planter is new, and it is believed above, with considerable care, and have practiced possesses advantages over every other, not only in extensively with it on the carpet; and it seems to facility of use, but in hastening germination.— us to combine the requisite qualifications for do-The seed is forced by pressure obliquely from the ing the work well. Many of our best farmers do surface of the ground to the required depth, thus not think it objectionable—but, on the contrary, ensuring the immediate absorption of the mois-favorable—to drop the kernels of corn quite close to each other. Dropping corn is a slow and tedious process, and we hope farmers will carefully chargeable with all the errors that are committed. examine this and other machines for this purpose The word "eleven" was so fairly written that before the season of planting comes on. We have when the question was referred to us for a soluno doubt but there is a better way of doing the work than by dropping by hand.

One of these implements is left at this office, where farmers may examine and try it.

A CORN CROP.

STATEMENT OF JOEL HAYWARD, OF ASHBY.

Gentlemen: - The field of corn I present for your consideration was grown on one acre of land, and was treated in the following manner; it being of a deep loam, and inclining towards the east. It was broken up in the fall of 1852. In the spring of 1853, applied 27 loads of compost, and planted to corn, raising 78 bushels per acre. In the spring of 1854, May 9, plowed eight inches deep. May 15 and 16, spread 13 loads of green manure, and plowed 10 inches deep. May 17 and 18, furrewed both ways, three feet and three inches apart, and put 13 loads of compost in the hill, and planted with the Tuscan white corn, putting four and 5 kernels to the hill. Plowed and hoed twice. The committee on grain of the Worcester North Agricultural Society visited the field in October, and selected one rod as an average of the field, which was harvested and weighed 35 lbs. Allowing 70 lbs. for a bushel, there would have been 80 bushels per acre. I also raised 4 bushels of beans and 1 load of pumpkins.

ESTIMATED EXPENSE. Plowing twice

Plowing twice	
Twenty-six loads of manure	6,00
Spreading the same	2.00 -
Planting	3.00
Plowing and Hoeing twice	5.00
Cutting and binding stalks	2.50
Harvesting	5.00
***************************************	3,00
Total\$4	7,00
CREDIT.	,
By 80 bushels corn, at \$1,12\frac{1}{2} per bushel\$9	0,00
Stalks and husks1	5,00
4 bushels beans	8,00
1 load of Pumpkins	1,00
(F) . 4 1	1.00
Total\$11	
Estimated expense4	7,00
N	
Net profit\$6	7,00

For the New England Farmer.

CORRECTION.

Mr. Editor:—In the Farmer for Feb. 3, your printer's devil makes curious sense out of a few fines I sent you about my experiment with potatoes. Instead of "two barrels," read two pounds. For "eleven eyes to a piece," read one eye to a piece. And in the eleventh line, for "sixty bar-rels," read sixty pounds. And for a signature read S. Tenney instead of T. Tenney. The soil in which I planted the potatoes would have required at least twenty-five loads of manure to the acre, to have put it in good condition for corn.

if potatoes would grow, seeded at less than one-half ounce to a hill. Sixty out of seventy-five Yours, &c. grew. S. Tenney.

West Poland, Me., Feb., 1855.

REMARKS .- The "printer's devil" is not fairly tion, we directed that it should stand as eleven, though the sense was not obvious. Writers must be careful, as well as printers and editors. In the manuscript of this communication, we have corrected an error which, had it remained, would undoubtedly be charged to the printer.

SEVENTH LEGISLATIVE AGRICULTU-RAL MEETING.

Reported for the New England Farmer, BY WILLIAM W. BILL.

The seventh weekly meeting was held at the State House on Tuesday evening, Feb. 27. The subject for discussion was Manures.

Dr. REYNOLDS, of Concord, presided, and remarked, as he assumed the chair, that he found himself called upon to occupy the position unexpectedly, and was unprepared to make remarks. He then went on to observe that in New England, manures are essential to agriculture, while in some sections of our country, as in the Mississippi bottoms, large crops are obtained without it. Our climate, too, is such that it is necessary to stimulate our crops. For these reasons, it has been the great question with agriculturists how to supply these stimulants in the cheapest manner. If guano answers all the purposes which it is said it will, it is the cheapest manure there is,-that is, if we have to purchase our fertilizers. Dr. Reynolds detailed an experiment made summer before last, by a gentleman in his neighborhood. He plowed up a piece of pine plain, the produce of one acre of which he told his workman should be his, (and he would plow it,) provided he would put on 25 loads of compost manure. The adjoining portion he manured with 250 pounds of guano to the acre. The whole was planted with corn at the same time, and received the same cultivation, and the result was that the guano lot yielded double what the other did, per acre. The compost was hauled half a mile, and the expense of getting it upon the land exceeded the cost of the guano. People have complained of the guano failing the past season. He thought the fact was to be attributed, in a great measure, to its being used alone, without being mixed with compost or other manure. In consequence of this neglect, the roots of the plants have been brought in contact with the caustic guano, and the result was fatal to them. We have got to learn how to use it. The drought, too, probably had something to I tried the experiment out of curiosity, to see do with the failure of the guano. Dr. Reynolds concluded by introducing to the meeting-

Dr. A. A. Hayes, State Assayer, who commenced by speaking of the necessity of cheap fer-

tilizers in New England, remarking that the beneficial. It contains all the elements needed supply was not abundant, being limited to the for plants, but in a too concentrated form, and peat bods, the wash from the hills, and the com-unless circumstances are such that it can react post of the barn-yard. He said he did not believe on substances in the soil, cannot benefit them. that lands ever "wore out," and referred to the The new kind of guano is obtained on the Atlanrich acres of England, which have been culti-tie coast, and is produced where rains fall frevated for centuries, as proof. If the right method quently. Although containing nearly the same is only pursued, New England may be made what amount of ammonia as the Peruvian guano, its it once was, a garden. It has been supposed fermentation is altogether different in consequence that there was something peculiar about New of the rains. Its composition is nearly that of England soils,—that they would run out after a powdered bones, the proportion of phosphate of series of years, for certain crops, and then, after lime being very large, amounting to from 40 to the lapse of a few years, again produce those 60 per cent., while the "geine" arising from the erops. This, he thought, was owing to the cli-decomposition of animal matter, seldom exceeds mate. In the spring we have heavy rains, which 16 per cent. It always contains from 16 to 18 are succeeded by an aridity or dryness equal to a per cent. of water. It contains a valuable acid, desert. We have not the seasonable showers of and a large amount of phosphate and carbonate England. If we only had them, he believed we of lime, is open in texture, and readily dissolves. could raise pine apples and other tropical plants, It contains 40 to 50 per cent. of phosphate of for we have a temperature as high as if only 13 lime—an absolute necessity for the growth of degrees from the equator. We should have es-plants—while the Peruvian has only 20 to 26. pecial regard to climate in selecting manures, and This phosphate of lime is an ingredient which get those which will maintain a certain tempera- our New England soils are greatly deficient in. ture beneath the ground, and enable the plant The notion that large portions of ammonia are to throw out leaves early and abundantly, and requisite for plants, he considered fallacious, from to sustain itself in time of drought by absorbing the fact that after the wood has been cut from a the dew. We know that when a plant puts out piece of land, and it has been burnt over, it is fit large leaves, it bears a drought remarkably well, for a crop; for every scientific man knows that Another element essential to the growth of plants, the more a piece of ground is burnt over, the less is the inorganic parts of rocks. The plant should ammonia is there, and in a piece of land thus be able to find some decomposing rock in the soil. treated, there is less than in an old pasture. By But the spring time is too short to supply this choosing alkaline manures, farmers are apt to element, unless we resort to artificial means, overburden the soil. Phosphate of lime is abso-The gentleman spoke at some length in regard to lutely essential, and there is no manure equal to guano, referring particularly to a new kind that of the barn-yard. The Atlantic guano is which has been introduced, the composition of well adapted to compost. One method of applywhich he had studied, as well as witnessed its ing it is to spread it upon the snow in winter, to operation to some extent. The guano heretofore be dissolved and mixed with the earth in spring; used has come from the west coast of South and this method has worked very well, so far as America, where a rainless climate prevails, with known. a temperature of 65 to 84 degrees. It is composed of the bodies of seals and the droppings of in regard to the importance of securing the liquid birds. Seals, which abound in that region, al- manures of the farm, as they are required to furways take to the shore when sick, and their nish the nitrogen which forms the seed, while the bodies, with the excrements of birds, decomposed solids form the stem. He thought guano an exat a high temperature, and in a compact state, cellent top-dressing, and recommended that it be have produced a large amount of guano. It is com- applied just as the frost is coming out of the posed of 26 parts of humus, or "geine," [woody ground. and vegetable fibre, in a state of decay—Ed.]

Dr. Reynolds offered some excellent remarks

Dr. Charles T. Jackson, the chemist and ge-26 of phosphate of lime, and a large amount of ologist, was next introduced, and made some very sand and moisture make up the 100 parts. Its interesting remarks. He said he was familiar ammonial ingredient has been deemed an essen- with the Mexican guano alluded to by Dr. Hayes, tial in all manures; but there is something else and so far as regards the phosphate, it was a very besides ammonia required to produce a crop in a excellent article. Some of it contains no ammo-New England soil. There is in it a principle like nia at all, while other samples resemble very yeast, causing it to ferment, and it therefore has much the Peruvian. The relative value of the a life-giving energy in it. It can be used with two he did not consider fully settled. He was great success where irrigation can be resorted to, not prepared to abandon ammonia as a useless as it requires a great deal of water to make it ingredient in guano, or manure of any kind.

that it is the ammonia which nourishes the know. plant, while the other will fade and perish. The is obtained from any other source. Manures portance of a proper disintegration of the soilganic elements will be carried off by the rains. manure applied. They should dissolve gradually. There is no manure better than leached ashes; it is nearly made some remarks, which were listened to with as good as guano; it contains a large portion of much interest in regard to the necessity of devephosphate of lime. Recurring again to guano, loping more thoroughly our home resources for he said it seemed strange to him that so enormous obtaining manure—the necessity of experimentquantities are thrown away upon the seaboard. ing with guano-and the facility of reclaiming Their bones are phosphate of line, and both old pasture lands. bones and flesh can be converted into excellent manure by putting them into the compost heap, and, if dried and ground up and mixed with chalk, will constitute an excellent guano. In many places on our seacoast, fish can be manufactured into guano without the aid of South (Essex, upon Dairies. May I hope to be par-American birds, and Dr. Jackson said he was doned, if I have discerned in the distance the surprised that no establishments had been set up ghost of the old Oaks cow? Her spirit seems to for its manufacture. The South understands the be rapping to us, through the whole article. My value of artificial manures much better than the friend, whom I think I recognize, will excuse me North, and at Baltimore they are regularly man-towards individuals, but of partiality for, and ufactured. There are two methods of using prejudice against, breeds of animals. guano, and he would recommend both waysthat is, plow in one-half and harrow in the other may be allowed to examine its correctness and half. With small grains, perhaps harrowing fairness. would be sufficient. It needs a great deal of butter products," and taking advantage of the ters have this remarkable quality of retaining products) "are not better than can be found on moisture.

experiment made by him in 1852, with two Devon of a dairy, from a farm where the pasturage was weeks. In that time they consumed 2035 lbs. of to suffer for want." was so poor, that, for a bay and 400 lbs. of meal, in all 2435 lbs. bay and meal, equal to 2 per cent. of the live weight re-|from a farm "where the cows have yielded an avduced to hay. The solid manure was all saved, and weighed 4543 lbs., and measured 100 bushels, potato measure, 24-5 bushels short of a cord, that that particular farm is one of the many that worth on the farm say \$6,00. These steers stood can be found "where the pasturage is good."—during the eight weeks on a tight floor. The ma-But then Essex claims, as matter of eredit for nure was all collected once in each day, and left for two weeks where the liquid fell into the cellar, better. then weighed and measured, and the result was as then weighed and measured, and the result was as above. Now here was say \$5,00 of solid, and by "entirely native," in contra-distinction to an "im-

Ammonia does not act merely as ammonia in estimate \$6,00 for liquid manure to the ton of manure, but absorbs the organic matters in the feed consumed, \$11,00 worth of phosphates, to soil, combines with the acids and neutralises say \$14,00 for hay, \$5,00 for meal-\$19,00; so them, and decomposes the sulphate of iron. Put that we lose eleven dollars worth of the phosa root of clover into a vessel containing an am-phates to every ton of hay sold. Mr. Dodge also monical solution of peat, and another into a yes-offered some interesting remarks in relation to the sel of clear water, and it will be found that the waste of liquid manures, and expressed his faith former will, after a few days, become of a rich in the phosphates, if we can only learn how to green color, and the solution changes its color, handle them. Leached ashes had done great while the ammonia has disappeared,—showing things for him, but the reason for it he did not

R. Morris Copeland, Esq., of Lexington, made ammonia of guano performs the same service as some very pertinent remarks in regard to the imshould not be too easily soluble, because the or-|which he considered as important as the kind of

Hon. Amasa Walker, of North Brookfield, also

For the New England Farmer.

DAIRIES---BREEDS.

Friend Brown : — Your monthly for February

Inasmuch as my name is used in said article, I

Passing over the taunt about "extraordinary moisture. As an interesting fact, the speaker admission that the "products from the towns of stated that peat, dried in a hot sun, contains 25 Worcester and Barre are quite fair for the seapounds of water to the 100. All vegetable mat-|son," we come to the conclusion that they (the many farms where the pasturage is Good." Now I submit to my friend Essex, if that is "quite Mr. Dodge, of Sutton, explained an interesting fair," under the circumstances. My return was not only not good, but was so poor, that, for a

Essex says he procured butter for his family, erage of a pound a day for the entire butter-making season, and in the best part of it 9 or 10 pounds a week." I have no doubt of it; nor do I doubt these cows, that they are "entirely natives," and that "Mr. Lincoln's improved stock have done no

proved stock;" nor to inquire how he has a seer- with their first calves. They have been in milk tained, with certainty, a fact so extremely diffi- for very unequal periods during the year. cult to learn. I admit, cheerfully, that there greatest number of days during the above period may be stock entirely native, since Essex asserts in which any one has given milk, has been 337, it; and that the dairy of Essex's friends has often and the least number for any has been 26. made a pound of butter daily, for each cow, for the entire butter-making season. I no more doubt February, and calved the 20th May, subsequentthis, than that these cows were kept upon a farm ly. Now, in making my account, I deduct from where the "pasturage is good." To clinch the the 365 days of the year, the number between insinuated superiority of "entirely native" cows, Feb. 13 and May 20, and call her in milk 269 Essex cites a newspaper statement, that four days, and so with the others. I find then that the

pounds of cheese to one of butter, (which is conceded about here to be the proper proportion.) 1853, I moved upon my present farm. I churned this amounts to 106 lbs. of butter, per cow, for 100 days. "Mr. Lincoln's improved stock" yielded during an actual milking period for the whole of 141 days, 142 lbs. 6 oz. At the actual average rate of yield for 141 days, had the six cows been in milk during the whole period of trial, (five full blood Ayrshire cow, calved; the day previous months,) there would have been, to each cow, a to which I turned to pasture. I stop the account yield of 153 lbs. and a fraction for 150 days.

hornless animal that was purchased from a Hamp-placed for trial. shire drove, (and therefore "entirely native," the space of 40 days yielded 240 lbs. of butter. Pretty well, I confess, for four cows that were hornless and ill-looking, (and therefore native!) or for any cows. But seriously, if this last yield was claimed to have been obtained from pasturage alone, no matter how good, I should have liked just to have examined the quality of both butter and scales.

Because the premium was awarded to my stock, it does not follow that I claimed, or the committee conceded, the product as extraordinary. Essex will bear in mind the facts, as they appear in my statement, that I did not select my six BEST cows for butter; that my pasturage was poor in quality, and scanty in quantity; that I had to change milkers eight times during my trial; that change milkers eight times during my trial; that my trial cows run with seven others, during the says, of "improved breed," in May, 1854, upon season; that the butter was worked upon a ta-a farm where the pasturage is poor beyond quesble, and, of course, thoroughly; and that the tion, made nearly as much butter as eight cows weight was ascertained by each separate pound, did, in the same period of 1852, where the pasinstead of in the mass, at each churning; and the turage was good, and of more than ordinary qualwhole statement not matters of loose conversa-lity for butter. tion, but made under the sanction of an oath.

by Essex, 1 most cordially agree. It is, that to understand a cow, "she must be summered and wintered." 'You cannot," he says, "begin to seems of two years, can, per form a true idea of the value of a cow, from the product of one week, or one month; it must be for the season entire, with an average fair feed. Nothing can be more true. And if our societies would offer their premiums upon such plan, I should have more confidence in the good to result therefrom.

Not by way of boasting of what Essex calls my season than that of 1852. By no means. The "improved stock," but solely to induce him to hunt up a return, for an equal period of time, from as many cores, even though hornless, and ill-poorer. The rapid decline from June tells the looking and early and early statements as a section that was a section that the last was a section that that of 1852. By no means. The pasturage was better? Quite the reverse. The from as many cores, even though hornless, and ill-poorer. The rapid decline from June tells the looking, and entirely native, I subjoin from my story of the pasturage, pretty well. dairy book a statement extending from Jan. 1, 1854, to Jan. 1, 1855.

constituted my dairy, and three of these heifers dairy woman in the world (my own wife) had

To illustrate, a cow was dried the 13th day of cows, in Michigan, yielded 174 lbs, of butter and aggregate number of days milking of the 12 cows 1050 lbs, of cheese, in the space of 100 days.

Analyzed, it will be seen that, allowing three yielded, for the above period, is 2296 12-16.

Look again at this matter in another light. In

May 9371	lbs.	1 oz. butter
May 1655		12 "
May 2365	6.	4 "
May 3066	44	7 "

On the 13th day of May, Flora McDonald, a here, because previous to another churning other Again, in Marblehead, a few years since, four cows had ealved. Let us see how it was in 1854, cows of a Mr. Stone, descendants of an ill-looking in the lot of cows in which this same Flora was

May 1, churned	19	lhs.	2 oz
May 8			
May 15	32	lbs.	5 02
May 22	39	lbs.	13 oz.
May 29	.44	lbs.	-9 oz.

Two of these six cows calved May 2d; and three had calved previously. Flora calved May 20, subsequently to the time of turning to pasture.

In 1852, on a farm where the pasturage was better in quantity and quality, I kept eight cows, only one of which I now have, and

May	3,	c	'nι	n	n	ed			٠.							21	lbs.	13	02.
May																			
May																			oz.
Мау																			
Мау	31.				٠.	٠.		٠.	 •	٠.	٠.		 	٠.	٠.	49	lbs.	31	OZ.

What conclusion will Essex draw from this?

The comparison of the two dairies, for these To the truth and fairness of one statement made two years, can, perhaps, be profitably pursued.

S cows of 1852, in good pastur-	6 cows of "improved breed." in
	1854, in poor pasturage.
May158 lbs. 15 oz.	May156 lbs.
June181 lbs. 1 oz.	June240 lbs. 4 oz.
July	
August	
September120 lbs. 10 oz.	24 days in Sept. 134 lbs. 2 oz.
767 7	854 83

It may be said that the last was a better butter

In 1852 I did my own milking. In 1854, being incapacitated, personally, I had eight differ-I kept 13 cows and a bull, 12 of which cows ent milkers; while, during both periods, the best sole charge of every thing; doing all the work, with her own hands.

1. a) least, must speak well of "improved stock." since my present stock is composed of what would be called such, with the exception of one animal.

with cream for the family.

The twelve head of 1854 yielded 2296 lbs. 11 oz, butter, as weighed in so many distinct weigh-August till the 23d day of November.

It will be seen that, with a poorer pasturage in 1854, I have added 470 lbs. to the yield of my

there can be but one explanation.

Still, I do not look upon this comparison as at dation for judging about breeds of animals. If, after that, the experiment could be conducted by some buff dozen different persons, in different parts of the State, we might hope to settle the question, so far as the farmers of this State were concerned.

In conclusion, by way of concession to the "entirely native" feeling of my friend Essex, let me say, that, were I to have remained upon my present farm another year, I should have discarded from my dairy a full-blood and a 3 Ayrshire cow, not, however, because they were inferior milkers, but, because being superior milkers, they were not above the average of cows for butter.

Yours, in great length, Worcester, Feb. 17, 1855. W. S. Lincoln.

For the New England Farmer.

LETTER FROM MR. FRENCH.

A Yanker Farm near Washington—Apples and Peaches—Pear **rece Piledet—Draining—Oven and Mules—Subsoiling—Shell **Lien** — "The Peculiar Institution."

Less our readers should be too strongly impressed with views of the shady side of agriculture in this district, let me give them a glimpse of something brighter.

Yesterday, on the tenth of January, when I suppose all New England was frozen as hard as an iceberg, I made, with the owner, a visit to the farm of Mr. William M. Morrison, of this city, and observed, with much pleasure, the appdication of "northern principles" of agriculture to seathern soil. Mr. Morrison's farm contains about a hundred and twenty acres, and lies near the Rockville plank road, four miles from Washington. He is a New Hampshire man, a native of Sanbornton, and, although he has been thirty did not see that it would. He thinks the peach years away from the Granite hills, has not forgotten his native State, or lost his taste for cultivating the earth, acquired on his father's farm in boyhood.

He bought this farm about four years ago, for thirty-five dollars an acre. It was then destitute of buildings, and almost without fences. He has erected a pleasant though not expensive house, and a barn on the New England plan, with a The eight head of 1852 produced 1226 Ps. 94 tie-up for his cattle—a luxury to which the oz. butter. They should be credited in addition cattle in this region are very little accustomed; most of the steeds and heifers of three years old never having seen the inside of a barn in their ings. One milking daily of one of these cows was lives. His land is rolling, a part a sandy loam, taken from the dairy, from the early part of with a clay subsoil, and a part clay loam, with a considerable extent of what we call swamp land, of a dark alluvial character. It looks much like dairy, above what the increase in the number of a Middlesex county farm, entirely free from animals over 1852 would have led me to expect, stones. The fences, which divide it into three How will Essex account for this! It seems to me or four enclosures, are of chestrut posts and rails, four rails high, such as we see in some parts of New England. Mr. Morrison has fenced off all fair. To satisfy me, the comparison should be made by a trial of an equal number of cows, forty acres for a pasture, which he is improving, of improved and native breed, kept upon the same and is giving great attention to the raising of hay farm, milked by the same person, and the whole and fruit. He has already planted about one dairy under the same management. If the trial thousand apple trees, six hundred of which are was continued for a year, we should lay a founhundred plums, and seven hundred pear trees.

He has fears that the Baldwin may prove too early in this latitude, and now prefers some varieties which originated further south, and ripen later. His trees, most of them, look thriving. Many, however, have marks of injury, which he attributes to the locusts, an enemy with which fruit-growers at the north have not been much acquainted. The trees are yet so young, that it is too early to be confident of their success, and although I see daily fine apples in the market, said to be raised in the neighborhood, I have looked in vain for an acre of what at the north we should call a good orchard, in bearing. The care, however, which we bestow upon our trees, is entirely unknown here, and it is to be heped that our friend may find abundant success in his fruit-growing. His pears, which are mostly dwarfs, have suffered very much from the blight, which, like some diseases in the human system, seems to select for its victims those of fullest life and vigor. Many almost perfect trees, six feet or more in height, were shown me, utterly blasted. Mr. M. attributes their destruction to the heat of the sun; but, whatever it may be, the symptoms and result appear to me to be the same which we everywhere see and hear of, under the name of sap-blight, and the like, and as to the causes of which, as about most other matters, "commentators differ." Mr. Morrison philosophically remarked that he could go out and cry over his pear trees, if it would do them any good; but he rather an uncertain crop even here, as it seems to be everywhere.

As to his grass lands, he is pursuing a thorough

course of draining and thoroughly subdning. His straw at about fifteen dollars a ton. He uses rye drains are three feet deep, or more, most of them and corn, ground together as provender for his covered. They are made by placing short logs horses. He cultivates his crops very much in the across, and covering with old rails, and then with New England style, employing free labor cutirely sods, bushes, and roots, deep enough to be below on his farm. The price of labor bare does not the subsoil plow. His meadows seem to be full differ materially from New England prices. It is of springs, and to require more ditches than any notorious that slaves do not perform so much laland I have ever seen. Hay usually sells at twen-bor as freemen, here or elsewhere, and when we ty dollars or more a ton, and upon land like this, add to this, the fact, that they always steal whatwhich will produce as well at least as our best ever they can lay their hands on, we maturally grass lands, hay must be a profitable crop. He enough infer, that they are rather unpresitable sows his herds-grass, or timothy, as he calls it, stock. I suppose the poor uneducated creatures in the autumn, and clover in the spring, as we cannot understand their moral obligation to do do, on most of our reclaimed land. He has some all the work for the benefit of others, who do forty acres in grass, most of which has been re-none! Everything here is kept under lock and claimed, at an expense equal to that of reclaim- key, and it is said not to be an uncommon occuring our worst swamps. We found his team of rence for the servants to steal and sell the grain four oxen engaged in plowing his orchard, (on allotted out for the provend r of the horses in the 10th of January, remember,) with a Boston their charge. Mr. Morrison had two big dogs plow and a Yankee driver. These oxen were pur-chained near his house, which are let loose at chased by Mr. Morrison, in Brighton, Mass., and night, to prevent pilfering about his premises. brought here, at an expense of about fifty dollars I suppose three-quarters of the corn-barns in New a yoke. I saw a fine yoke of oxen at work a few Hampshire were never locked or otherwise guarddays, on the capitol grounds, moving blocks of ed, except by the consciences of the people, and marble, and remarked to the contractor that they such considerations are to be weighted, by meathlooked like northern cattle, when he informed ern men, who are tempted to seek a home, under me that he brought them from Massachusetts.

Although there are plenty of bullocks raised cident to clearing new lands, they may be more of our country. profitable than oxen. They are more hardy, less expensive to keep, and much longer lived than the horse. Indeed, a negro, of whom I inquired how long they lived, gravely informed me that he had heard a great many men say that they never There are many varieties of the apple which and has full faith in its utility.

for three hundred dollars all that is made at a where it can possibly be made to grow. considerable extent, and finds a market for the son, as those that were not so early matured."

different institutions from their own.

The question of emigration from home cones and driven into market here for beef, suitable for up to every New England youth, and I know of work, yet most of them have never been yoked. no better service that can be rendered to New Mr. Morrison has tried mules for farm labor, and England, than to present fairly to view the adis of opinion that, except for the heavy work in-, vantages and disadvantages of a life in other paras Henry F. Prench.

Washington, D. C., Jan. 11, 1855.

APPLES---THE RIBSTONE PIPPIN

saw a dead mule, and his inference seemed to be, appear to be susceptible of successful cultivation that they never die at all! I have long had the in almost any variety of soil, and indeed, in alimpression that mules might be profitably em-|most any position in which it may be found doployed in New England, on our farms; and were sirable or convenient to place them. There are it not that they are so unnatural a production, I others, on the contrary, which are more fastidishould be glad to see them tried among us. Mr. ous, and which can only be made to grow in the M. is trying the subsoil plow thoroughly, on his richest and most affluent soils. Of this latter farm, running it to the depth of seventeen inches, description, we may mention the Ribstone pippin, which is certainly, in many respects, a most He has horse teams, carrying stable manure desirable and valuable fruit, and one that defrom the city daily to his farm, having purchased serves to be extensively cultivated in every region

stable, which will give him about a two-horse Ives, (in his "Book of Fruits.") suggests that load daily. He showed me also a lime-pit where the best soil for it is one rather moist and warm; he had burned about a thousand bushels of oys- and Mr. J. W. Ressell, in a communication on ter shells, much after the fashion of burning a the Ribstone, published in "Howy's Magazine coal-pit. This lime he applies broad-east, at the of Horticulture," Vol X., says that, "Trees of rate of one hundred bushels to the acre. He conthis kind of apple, growing on a flat level plain, siders corn his best crop, and in good seasons gets ripened their fruit about three weeks too early. sixty bushels to the acre. He raises rye also, to therefore did not keep so well through the seaus as well worthy of attention.

be selected for this particular apple.

most superior apples not natives of America. north-west slope I should prefer to any other for reasons thus: the tree would not start to grow not least, the fruit would be larger and finer, and oughly. would not ripen so early by a fortnight or three weeks. A rich deep soil, rather wet than dry, is best adapted for the apple tree, (generally)land half covered with rocks, that cannot be well cultivated with the plow, would be a desirable locality, especially in a dry season, as the trees would not suffer with the drought.'

For the New England Farmer.

GUANO AND SUPERPHOSPHATE ONCE MORE.

My Dear Brown:—I have been trying to collect the results of experiments in Rockingham County, with guano and superphosphate; but as a general thing, farmers had rather work than better than where it was not applied in the hill. write. I send, however, a valuable letter from The corn in the rows that I applied superphos-Mr. Little, of Hampstead, a good, reliable man. phate of lime to, came up well, and looked finely, His suggestion that crops manured with these fertilizers require little hoeing, is worthy of noupon the piece. The difference was not so marked tice. No doubt most of the weeds which cost us upon the part manured with stable manure as the so much labor to eradicate, spring from seeds other. Tapplied superphosphate of lime to half The new, unmanured lands of the West, require part was nearly doubled by the operation. I little or no hand cultivation little or no hand cultivation.

views better than those of any lawyer I ever saw, because you think just as I do!

> Yours, truly, H. F. French.

> > Hampstead, Feb. 15, 1855.

statement of my experiments with guano and I could not perceive any difference in the yield of superphosphate of lime. In the spring of 1843, the turnips on the part of the row where supercentrated manures. By referring to the various use agricultural papers, I found that nearly all the popular writers agreed that guano was a valuable ton, a half-ton of De Burg's superphosphate of manure; but as to superphosphate of lime, their lime, and the same quantity of Peruvian guano,

His remarks on the cultivation of the trees, strikes portions, and applied most of it to corn, reserving some for other purposes. My ground for corn contained about 11 acres; two-lifths of it had "In fact the situation that is not unfrequently been planted with potatoes the previous year, supposed most eligible, experience finds to be the manured in the hill with plaster, and a slight reverse. A southern aspect is often preferred, coat of green manure plowed in the remaining and the state of the coat of green manure plowed in the remaining and the state of the coat of green manure plowed in the remaining and the state of the coat of green manure plowed in the remaining and the state of the coat of green manure plowed in the coat of green manure which is dicidedly the most unfavorable that can three-fifths grass land, all in poor condition, and rather light soil, a part of it dry, but some of it ... I believe we have much to learn in the choice quite moist. I plowed it about the last of May of the most favorable localities, before we shall and planted it about the 6th of June. Upon the be successful in the cultivation of some of the two-fifths old ground, I spread twenty-five dollars' worth of manure from the barn before plowing; the remainder, sward land, I sowed eight dollars worth of guano, and superphosphate of lime, first so early in the spring; the roots would not suffer a strip of guano, then one of superphosphate, and so much with the summer drought; and last but so on, throughout the piece, harrowing it in thor-

I planted in hills 3½ feet apart each way, and kept the ground as level as possible. From the part manured from the barn, I obtained a heavy crop, from the other a fair crop, stalks rather light but good ears. I did not measure it, but am satisfied that it was better in proportion to the expense than the other piece. I could see no difference between the guano and superphosphate of lime as sown broadcast. I selected twelve rows, six on each part of the piece. To three of each of these, I applied guano in the hill, to the rest, superphosphate of lime, about a table-spoonful to the hill. The guano, I covered with my boot, as I dropped the corn; the consequence was, it was not covered deep enough, not more than a quarter of it vegetated, but what there was of it was much which we sow with our barn and stable manure. of a small bed of beets, and the product of that prepared as follows:—furrowed the rows 3 feet I think well of Mr. Little's conclusions, for the apart, strewed the manure in the furrow, turned same reason that a client once gave me for liking two furrows upon it, forming a ridge, and upon my opinion. "Squire," said he, "I like your this sowed my seed. To six of the rows, I applied manure from the barn and night soil mixed with twice its bulk of decomposed saw-dust; to the remainder, guano with the exception of part of a row for a trial of superphosphate of lime. The result was, that I had more baskets of turnips from the four rows manured with guano, than HENRY F. FRENCH, Esq.:—Dear Sir,—After from six where the manure was applied; the cost considerable delay, I have prepared for you a of the guano was not half that of the manure. I was short of stable manure, and it being diffi-phosphate of lime was used from the guano. They cult to obtain it, I resolved to try some of the con- were smoother, and would sell better for table

In 1854, I bought of George Davenport, of Bosmature; but as to superphosphate of lime, their time, and the same quantity of Peruvian guano, statements were so contradictory, that nothing reliable could be obtained. I determined to test the felt disposed to try it. A little more than half value of it by comparing it with other manures; of it was taken off my hands, mostly by one inand not earing to risk much on an uncertainty, I purchased only one bag of De Burg's superphosphate of lime, and one of Peruvian guano. Bespecially described by the superphosphate of lime, and one of Peruvian guano. Bespecially described by the superphosphate of lime, and one of Peruvian guano and the same quantity of Peruvian guano, for my own use and that of my own use and that of my own use and that of my own peruphosphate of it was taken off my hands, mostly by one individual, who applied it to grass, corn, potato vines, &c., without any other manure, with complete success. He had as good corn from a tafore using it, I mixed it with plaster, equal proble-spoonful of guano in the hill buried three

inches deep, and the same quantity of superphos-potatoes, using plaster in the hill. The yield was phate on the top of the hill before the seed was very light. The quantity of guano and superdropped, as from the rate of 40 loads of stable phosphate of lime used in the foregoing experimanure to the acre, side by side. I planted the same piece with corn that I did the year before, giving it a good dressing of manure from the lows:—first plowed it, then sowed guano at the barn-yard before plowing, and using superphos-rate of two or three hundred pounds to the acre; rhate of lime in the hill, with the exception of plowed it again, then sowed about the same quansome rows for other manures. I selected rows to the from the dry and wet parts of the piece, in. I obtained a much better crop than I ever using guano dog in around the hill, after the had on the same, when stable manure was apcorn was up, salt around the corn on the surface, plied.

Shes both in the hill and on the surface, and plas
The best crop of potatoes, both as to quantity ashes both in the hill and on the surface, and plast The best crop of potatoes, both as to quantity ter in the hill. The salt put the corn back one and quality, I raised upon a piece prepared by week and injured the crop. Ashes applied in the plowing in a dressing of stable manure, using subill injured the corn, on the surface benefited it. perphosphate of lime in the hill. I had a fine plaster about the same, superphosphate of lime yield where both superphosphate of lime and much better than either.

superphosphate, but no better ears. In making experiments is rather noist, with a good supply of these trials. I used three rows for each kind of vegetable matter. A light, dry soil, deficient in manure, leaving one row between each kind without any thing applied to the hill. I obtained as ent result. My neighbor's experiments on a dry good corn from that part of the piece, where I soil resulted in favor of superphosphate of lime. applied guano and superphosphate the year be-On a moist soil, guano took the lead. I sowed fore, as from the part manured with stable man-ure, with the exception of a small part where there The result was very marked, changing it to a dark was a small per cent. of fowl manure mixed with green color, and increasing the quantity considit. This produced larger crops both seasons.

green manure in the hill.

I had about three-quarters of an acre that had been planted with potatoes the previous year, using plaster in the hill, without any other manure. This piece was flat, rather moist, and in muck or loam. poor condition, and I selected it expressly for a I applied superphosphate of lime, and received 51 communicate the results to you. bushels. Two were liberally manured with ashes, and from these I obtained five and one-fourth bushels. In the other two, plaster was used, and from these I dug only three bushels. I do not think I received any benefit from the plaster. In Yours, truly, WM. C. LITTLE. half of the next row I used guano; in the remainder superphosphate of lime, formed it into a ridge, and sowed it with cabbages. The result exceeded my expectations. I obtained much better leads than I generally do, when manure from year. In its inaugural the Editor says:—"It is

plaster was applied in the hill without any other The guano produced heavier stalks than the manure. The soil upon which I conducted my This produced larger crops both seasons.

I selected six rows in a piece for potatoes, two observation, I have come to the conclusion that for guano, using a table-spoonful in a hill, two both guano and superphosphate of lime are valufor superphosphate, using the same quantity in able fertilizers, and will pay well, if judiciously the hill. To the remainder, I put a shovelful of applied to root and corn crops, reserving the barn manure for the benefit of the hay crop, which I consider the most important. I think guano in a crude state is better adapted to a moist than a dry soil. This, I think, is owing mainly to the

Superphosphate of lime, when properly pretrial of concentrated manures. After plowing pared, I consider a better proportioned manure, it, I sowed 150 lbs. of guano, harrowing it in as and better adapted to perfect all parts of the soon as possible, mixing it thoroughly with the plant, than guano. Hence the result depends soil. I then furrowed it the usual distance for much upon the nature of the soil. Taking into potatoes. In half of the first row I strewed guaconsideration the labor saved by hoeing and in no, in the other superphosphate of lime, cov-applying superphosphate of lime to corn in the ered it lightly, and planted with pumpkins. The hill, and the fact that it will not injure the seed row yielded well, but the part where superphostophate of lime was applied, much the best. I then took eight rows for potatoes, planting them in drills. In two of them I applied guano, and received six bushels of potatoes. To the two next ments as I should have been, had I expected to

If these few lines are of any use to you in mak-

CAROLINA CULTIVATOR.—Published at Raleigh, the barn is applied. I next sowed eight rows with too common to read, assent, and then forget. turnips, manured four with guano, the remainder with superphosphate. They looked finely the first of the season, but the severe drought and practical lessons for mere amusement. It gentlements to the season, but the severe drought and the plant lice, combined, completely ruined the erates a habit of indifference to improvement crop. The remainder of the piece I planted with which is hard to shake off. Let our readers,

therefore, be punctual in putting every valuable string, it may be considered a very justly proporthought which they may find in books and papers tioned animal. on the various branches of agriculture and the has caused the greatest variety of opinion, is the kindred arts, into immediate use, and our word fleece. When I first commenced in the business, premises and around them."

SHEEP BREEDING---FINENESS vs. SIZE.

Whoever, therefore, would obtain a large and vigorous race, [of merino sheep] should keep his ewes from the rams till they are three years old. Rams are not usually allowed to leap till three years of age.—That's Principles of Agriculture, p. 539.

years old. I have now one twelve years old, that Grower raised her first lamb at three years, and now has as good teeth as any in my flock, and is apparently in her prime except that her fleece has become coarser and somewhat lighter.

But among the advantages of pursuing the above course, to the wool-grower, whose flocks must be limited to a certain number, is the small number of breeding ewes he will be enabled to keep in consequence of having so many younger sheep. The successful wool-grower will endeavor to raise sheep, as well as wool, for sale. If young sheep are kept so as to get twelve months growth in a year (which is frequently not the case) there is no difficulty in breeding from them at two years old, and raising a flock that will be sufficiently large and hardy for mutton and woolgrowing purposes, and that will last and be valuable until eight or ten years old. Such a flock will produce finer wool and more of it in proportion to the amount of food, than one forced to an unnatural size. I have used bucks at different ages, from six months to five years, and have had as good success, and raised as good lambs from those that were one and a half years, as at any

In breeding sheep for wool, we should also pay some attention to form, which is of much more importance than size, so far as its adaptation and value for mutton is concerned. If merino sheep measures from the withers to the root of the tail, and from the withers to the nose, and likewise years he had been dreaming, under a foreign sky. from the withers down the fore leg to the hoof, alike; and the three lengths put together or three times the length from the withers to the root of the tail, being put around the sheep lengthways,

for it, they will have the satisfaction at last of some twenty-five years since, the strife was for witnessing a decided improvement on their own the finest wool without much regard to any thing else. The first question asked was "How much did you get?" But the tables are turned; people have taken the other extreme. The great question now is, "How much will they shear. without designing to tread on the toes of others, I will give a description of such as would suit my fancy, and such as I believe will eventually be sought for. The sheep should be of medium size, the ewe weighing when full grown, from 80 to 90 lbs., the skin loose but not rolling in folds, the fleece thick, particularly on the belly, and ex-That the size of sheep would be enlarged by the tending well down on the legs and face; the staabove course there can be no doubt, but, allow ple uniformly of one length-from two and a us to ask, what are the advantages to be derived half to three when of a year's growth—the curves from increase in size. Most assuredly the amount plain and uniform as possible, from one end to of wool would be diminished in its proportion to the other, and not less than twenty-four to the the size and consequently to the amount of food inch—if more the better—the fleece sufficiently consumed. The principal advantage that I can oily to render it soft to the touch, and the surface perceive to be derived from the above course is in a little dark. If the fleece be entirely destitute the increased longevity of the animal. For, from of oil, the wool becomes harsh and wiry; on the my experience in the matter, I am satisfied that other hand, if there is an excess, it must be at sheep, male or female, will attain a greater age the expense of the fleece, as well as carcass; by not being allowed to breed until three years being made from the same materials, and causing old. If kept in moderate condition, getting neither the flee e to be thin and light after being cleansed, too fleshy nor too poor, they will frequently last and the sheep hard to keep. Both extremes, and be profitable till they are twelve or fifteen particularly the latter, should be avoided .- Wool-

ECONOMY IN THE RIGHT PLACE.

Men who have made fortunes tell us that it is much easier to acquire property than to keep it. Whether this be true or not, we have not had very ample means to determine, but are convinced that it is much more difficult to expend money judiciously, than to earn it. We know this, from experiments in a small way, ourselves, as well as from ebservations on the rest of mankind. Almost every man who will make up his mind to have money, and devote his time and energies early and late to this object, will succeed in his undertaking. But there are various difficulties in the way of spending it to the best advantage, arising partly from the fact, that every man intends, when he gets enough, to change his mode of life, and adopt one more agreeable. One man leaves his country for half a generation, and having made his fortune, returns to find his youthful friends all dead, or forgetful of him, and the whole world so moved away from its former position, that he cannot find the place in it which he formerly occupied. His money cannot buy for him the smiles and sunshine of which for

The city merchant looks anxiously forward towards the day when he shall close his countingroom, and turn his back upon the perplexities of passing the string under the neck and around the his business, return to his native village in the thighs, and the sheep is broad enough to fill the country, and re-purchase the old homestead, and

vine and fig-tree, in the delightful pursuits of ag-, like. Often a hundred dollars are expended in riculture. But, alas! a life of care and luxury this way for as many feet in length of such a in the city has unfitted him, as well as his fami-fence. Instead of this, we would either construct ly, for simple rural pleasures. His wife is tor-|a plain fence of pine, painted, which should mented for want of faithful and capable servants, not cost more than two dollars a rod, or we his daughters sigh in vain for the promenade on would plant a hedge of buckthorn or privet, supthe pavement, and for the opera, and even the ported by a wire fence, for strength, if necessary. good citizen himself begins soon to suspect that In every case, we would avoid running straight the "old familiar faces" on change, or at his far fences from the street to the house, and would vorite resort, the insurance office, are more agree-leave a liberal plot in front, and if possible, at one able companions than cows and oxen, or even the side or both, graded and finished as a lown. But farmers about him, who know so little of freights let the fence be plain and cheap. There is no and the stock exchange.

started, related more particularly to expenditures in New England. Save your money to gratify by the farmer, upon his own house and lands, some correct and rational taste, and do not fellow He can calculate pretty accurately, as to the ex- an unreasonable fashion. Use the reason, the pense of plowing and ditching, and the common plain common sense which Providence gave you labors of the farm; but our thoughts extended to use, before you suffer your hard-carned money beyond this, to the time when having acquired a to be taken from you, to gratify a carpenter's little surplus, he undertakes to adorn and embel- foolish ambition to work out a more elaborate lish his residence. Here he is beyond his usual piece of architectural folly, than has ever before depth, and has not his usual landmark to guide been presented to the public. We have noticed he thinks should cost some five or six hundred dol- triangles in our travels lately, that we think we lars. He sets out with the sensible idea, that it shall feel better after having spoken our mind on should be a plain, substantial, modest structure. the subject. We think the people of the rural for cows and horses to live in. He consults a districts, especially of the villages, have yet many carpenter or architect, who persuade him to allow lessons of economy to learn, in the structure of him to take charge of the building, and present-their houses, out-buildings and ornamental fences. ly, by the side of his simple mansion rises a sort How to expend a limited amount of money so as to of cross between a martin-house and a temple of produce the greatest amount of physical comfort, Minerva, clap-boarded and painted, with the doors intellectual gratification and moral improvement, hung in all the new-fashioned methods, so that is a problem well worthy of attention. they will neither open or shut, with a tall ventilator and a magnificent weather-vane on top-the whole resembling less a farmer's barn, than a village church, creeted under the direction of a com-several County Agricultural Societies for copies mittee of nine pew-holders. Now these fancy of their Transactions for 1854. We have reout-buildings are well enough on fancy places, but ceived copies of the Franklin County Society, are in bad taste, to say the least, on a farm, where Bristol, Berkshire, Middlesex South, Housatonie, economy is consulted; and the worst of it is that Hampden, Norfolk, Hampshire, Worcester and the owner finds, when it is completed, that his barn Essex. Each of these Transactions contain pacosts twice as much as he could well afford.

house, enclosing three or four square rods of beautiful specimens of the typographic art. ground! and for what purpose? Kind reader, did you ever ask yourself for what these little front yards are designed? Usually, they contain a few lilaes, half-a-dozen rose-bushes, and occation that market have come to the determination to buy and sell corn by weight on and after the sionally a small flower bed. The flowers and 1st of April next.

then spend his declining years, under his own shrubs we like, but the expensive fence we do not beauty either of symmetry, harmony or utility. The leading thought, however, with which we in such front fexces as we may see in every village He desires to erect a stable or barn, which so much of this display of squares and crosses and

COUNTY TRANSACTIONS.

We are under obligations to gentlemen of the pers of value to the farmer, which we should be Then, again, he determines upon having a bet-|glad to spread before the reader did our limits ter fence in front of his house. The earpenter permit,—and where any new mode of operation, shows him a beautiful pattern, which is like 'Squire' new and valuable designs of implements, or meth-Wealthy's, in Roxbury, and persuades him to ods of making or preserving manures are noticed, adopt it. The work is completed, and behold a we shall endeavor to publish them. Our acsmall front yard, as we call it in New England, knowledgments are gratefully tendered to gentlejust as wide on the street as the dwelling-house, men who have kindly supplied us with these and running straight to the front corners of the reports. Norfolk, Bristol and Middlesex are

EIGHTH LEGISLATIVE AGRICULTU-RAL MEETING.

Reported for the New England Farmer, BY WILLIAM W. HILL.

The eighth meeting of this series was held in the Senate Chamber, at the State House, on Tuesin the Representative's Hall was, that the hearing in regard to the removal of Judge Loring was going on in that room. The subject was the same as at the last meeting-Manures.

Hon. B. V. French, of Braintree, presided, and on taking the chair, made some pertinent remarks upon the subject of manures. In regard to the use of guano, he had been informed, by a merchant of Baltimore, that he could see the effect of the use of guano in the increased receipts of flour in that market—that it came in from sections they never thought of. But it is becoming a great question, how does it leave the land? So far, the opinion is that the land is impoverished by it after a few years. He had been informed, by the captain of a vessel who brought guano to this country, that guano is not used on the farms in Peru. The planters do not value it, and it is said that it finally gets the land in such a condition that nothing will grow but weeds. Still, it is an open question. In regard to barnyard manures, we do know what effect they produce, and it is of great importance to the farmer that they be saved and made the most of. To subject. Barn-yard manures are the most valushow their value, he entered into a calculation in able, but at the same time they may be improved regard to the value of the manure of the domestic and their fertilizing power augmented. They act animals in the Commonwealth-embracing both mechanically in the first place, and should be liquid and solid—from which it appeared that it loose and open when applied to light soils. They is worth \$8,000,000 per year. In order to save then ferment, and the woody substances contained manure, it should be kept under cover, composted in them produce acids, some of which will kill and enlarged in quantity; and by this means a plants, as rotten wood, it is known, produces a man's hay crops may be increased, and he will be vinegar which will kill plants. In the next stage enabled to add to the number of eattle he keeps. of decomposition, they produce carbonic acid gas. In regard to the application of manures, he was This stage is the most important, for it is now more inclined to top-dress grass lands than for-that the most powerful action of the manure merly. On this subject he would refer farmers occurs. The acids dissolve solid rocks, and exto the report of the Secretary of the Board of tract the potash contained in them: When the Agriculture, as some very careful experiments animal matters ferment, they produce alkalies. have been made at the State farm in Westboro' Urine is converted into carbonate of ammonia. during the past year.

made some remarks in regard to the manner of combines with the organic acids and forms the keeping manures. He thought it best to have ammoniacal combinations with those acids, while manures in an open barn-yard. He had made carbonic acid gas is eliminated. Carbon forms his own yard, pitching to the centre, and was the leaves of plants. using upland subsoil taken from the bottom of perfect in themselves, containing all the matters ditches for composting, throwing it into the cen- that were originally in the soil; but their supply tre of the yard, and adding straw, corn-stalks is limited. Lime, under certain chemical condiand litter with the manure; also adding salt in a tions, will drive off the ammonia from manures, liquid state, keeping the heap continually wet and if the heap is discovered to be losing its am-

he had ever tried. He preferred subsoil, both to put under the barn and in the hog-pen. It has more power than the top soil to absorb ammonia from the air. Such, at least, is the operation of things on hilly lands.

Mr. Howard, of the Cultivator, attributed the day evening. The reason of its not being holden process of Mr. Dodge's method to the peculiar nature of the soil, and differed from the conclusions which that gentleman drew therefrom. He had examined the soil on Mr. D.'s farm, and found that the subsoil was of a decidedly aluminous character, much more so than the top soil, which is loose and gravelly. The material of this subsoil (clay) possesses great powers of absorbing the manurial properties of urine, rendering it perfectly pure, while a loose, sandy soil, will produce hardly any effect. This fact is well known, and is the cause of the effect noticed by Mr. Dodge. But subsoil does not necessarily absorb ammonia any better than the top soil, unless it be clayey. Mr. Howard said Mexican guano, which was alluded to at the last meeting as probably preferable to the Peruvian, was no new thing. It was tried in England filteen years ago, being introduced shortly after the Peruvian. How it was esteemed there, was shown in the fact that the demand for Peruvian guano is constantly increasing.

Dr. Charles T. Jackson followed, in some extended remarks upon the scientific branch of the Urine will kill plants when pure, but when de-Mr. Dodge, of Sutton, on being called upon, composed the urea changes into ammonia, which Barn-yard manures are until September. Manure prepared in this way monia, it should be covered with a mixture of he found to be more valuable than any compost peat and plaster of Paris, in the proportion of

seil contains copperas or sulphate of alum, it is The No. 4 is a good sample of its kind. There is necessary to decompose the salts, either by means of ashes or lime, to render them useful. Alumium has power to absorb ammonia. Water ited, and should such a state of things continue which has been through clay, retains all its saline long, we shall have to cease raising it, or send it qualities. Clay precipitates the vegetable matters abroad to be manufactured for us.— Wool-Grower. contained in water, and absorbs vegetable and animal odors. Ashes is a perfect manure of saline matter, and the quantity of alkali depends upon the nature of the plant from whence it was derived.

ashes. When ashes are used they take out the society scluble pertions of the soil, as they contain a large excess of alkalies, which dissolve and carry off the vegetable matters of the soil. When this excess of alkaline matter is removed, ashes can be used freely, say 120 to 150 bushels to the The address was received with applause, and has been rejuted for distribution in removables form. acre, especially on light, sandy soils. All fresh been printed for distribution in pamphlet form. ashes destroy the soil. It is advisable to mix mittee of one from each State represented was Mexican with Peruvian guane, in order to in-chosen by the President, to nominate a board of crease the preportion of phosphates which chiefly officers for the ensuing year.

Compose the former, while ammonia predominates A letter was read from Col. Selden, resigning tending to too great developments of the leaves bank, was referred to Messrs. Wager, of New and stems of plants. Dr. Jackson re-iterated York, Calvert, of Maryland, and Worthington, of the views expressed by him at the previous meeting in relation to the value of fish as a manure, ing Col. Selden for his integrity, and expressing declaring that they were better than guano. He

Chio. They subsequently reported, complimenting Col. Selden for his integrity, and expressing confidence that the funds are secure.

Resolutions were offered by Messrs, Holcomb Lished in Rhode Island for the purpose of producing artificial manure for fish. Dr. Jackson took occasion to recommend to farmers, Johnson's Jones of Delaware, and then laid on the table for future discussion.

Messrs. Wager, of New York, Kennedy, of Messrs. Wager, of New York, Kennedy, of going beyond the limits assigned to these reports. amendments to the constitution.

Mr. Halliday, of Rhode Island, a gentleman engaged in the manufacture of manure from fish, related his experience in regard to manures, and made some statements relating to his artificial Hampshire, Dyer, of Connecticut, and Kennedy, fertilizers.

Mr. Buckminster, of the Ploughman, alluded to the discrepancy of views which exist among agriculturists and scientific men in regard to the application of guano, and desired to be informed what were the exact proportions to be observed in composting guano.

No response was elicited, however, and at half-lution recommending agricultural education. past nine o'clock the meeting adjourned.

The subject for the next meeting is the Rotation of Crops.

Dovecote, Ohio Co., Va., has sent us some samples bate was continued until 4 o'clock.

20 lbs. of plaster to a barrel of peat. If a sub- of wool. They are choice, the No. 7 particularly.

UNITED STATES AGRICULTURAL SCCIETY.

The third annual session of this society comrived.

The amount of phosphate is much larger in the menced February 21, 1855, in the East Room of the Smithsonian Institution. Twenty-six States were represented by credited delegates pine than in eak ashes, and phosphoric acid is from State and county societies, and there was much more abundant in pitch pine than in oak also a large number of individual members of the

The Hon. M. P. Wilder, of Mass., President of

in the latter. Too much ammonia is injurious, his office as treasurer, and, accompanied by securities for the funds of the society deposited in the

Resolutions were offered by Messrs. Holeomb, also stated that a manufactory had been estab-of Delaware; and Kemmel, of Maryland, which

Messrs. Wager, of New York, Kennedy, of We have given but a fragmentary sketch of this Pennsylvania, Proctor, of Massachusetts, Steadgentleman's remarks, which, from their techni- man, of Ohio, and Jones, of Delaware, were apcal nature, could not be fully reported without pointed a committee to receive and report on

> Mr. Calvert, of Maryland, offered a resolution recommending political action on the part of ag-

> riculturists, and supported it by able remarks.
>
> He was followed by Messrs. French, of New the table for future discussion.

> Mr. Jones, of Delaware, presented a memorial, showing the effect of legislation upon agriculture, and embracing a mass of historical facts.

> After having been read, it was, on motion of Mr. King, of New York, placed on the files of the society.

Mr. Clenson, of Maryland, introduced a reso-

An informal discussion of the potato rot, deep ploughing, and other matters of great agricul-tural interest, followed, in which a large number of gentlemen participated. Many facts of impor-Sheep in Visginia.—Mr. John E. Sissions, of sections related their "experience," and the delecture from their vice president from Virginia, pating. The resolution, as finally amended and the venerable George Washington Parke Custis, passed, reads His cloquent narrative of the illustrious "Farmer of Mount Vernon" was listened to with marked free trade for agriculture and protection for other attention by a large audience, and was warmly interests. applanded.

the orator.

were unexpectedly entertained at the National Ho-success. tel, by Colonel C. B. Calvert, the proprietor of The resolutions, after having been discussed by "Riversdale." A sumptuous repast graced the Messrs. Kennedy, of Pennsylvania, Jones, of Delfestive board, and the festivities were prolonged aware, and King of New York, were carried: until a late hour.

SECOND DAY.

This morning the society met at 10 o'clock, and, after the report of Mr. King, of New York, chairman of the nominating committee, elected the following

OFFICERS FOR 1855.

PRESIDENT.

Marshall P. Wilder, of Massachusetts. VICE-PRESIDENTS.

John D. Lang, Maine, II. F. French, N. II., Fred. Holbrook, Vt., Fred. Helbrook, Vt.,
B. V. Freiach, Mass.,
Jos. J. Cooke, Rh de Island,
John T. Andrew, Conn.,
Henry Wager, New York,
Isaac Cernell, New Jersey,
Isaac Newton, Fa.,
C. H. Holeonh, Delaware,
H. G. S. Key, Md.,
G. W. P. Custis, Va.,
Henry K. Burgwyn, N. C.,
James Hopkinson, S. C.,
D. A. Reese, Ga.,
A. P. Hardh, Ala., A. P. Hatch, Ala., A. G. Brown, Miss., J. D. B. DeBow, La., Gen. Whitfield, Kansas,

J. T. Worthington, Ohio, B. Gratz, Ky., M. P. Gentry, Tenn., Jos. Orr, Ind., J. A. Kinnicutt. Ill., Thos. Alien, Mo., T. B. Flournoy, Ark., J. C. Holmes, Mich., Jackson Morton, Fla., T. G. Rusk, Texas, J. W. Grimes, Iowa, B. C. Eastham, Wis., J. M. Horner, Cal., Jos. H. Bradley, D. C., S. M. Baird, New Mexico, H. H. Sibley, Mina., Joseph Lane, Gregon, J. L. Hayes, Utah, Mr. Giddings, Nebraska.

EXECUTIVE COMMITTEE.

John A. King, New York. C. B. Calvert, MI. A. L. Elwyn, Penn. J. Wentworth, Ill.

B. Perley Poor, Mass. A. Watts, Ohio. John Jones, Del.

SECRETARY.

WILLIAM S. KING, Boston, Mass.

TREASURER.

B. B. French, Washington, D. C.

On a report of the executive committee, Dr. Elwin, of Penn., Henry Wager, of New York, Dr. W. T. G. Morton, of Mass., Col. Anthony mittee appointed to urge upon Congress the pur-Kimmel, of Md., and Chas. L. Flint, of Mass., chase of Mr. Glover's collection of modelled were appointed delegates to attend the coming fruits, had had an interview with the proper Industrial Exhibition at Paris.

After the election, the discussion upon the resolution offered by Mr. C. P. Holcomb, of Delaolution offered by Mr. C. P. Holcomb, of Delaware, on the "Resiprocity Treaty" as injurious to the agricultural interests of the Republic, took place. Messrs. Holcomb. Peck, King and Jones Smithsonian Institution, at the request of the so-participated in the discussion.

participated in the discussion.

"Notices of the Rural Economy of Continental Ecrope."

Alter the election yesterday, the Society discussed a resolution offered the day previous by ty different varieties of western apples, which he Mr. C. B. Hol ombe, of Delaware, denouncing descanted upon with his wonted accuracy. the "Reciprocity Treaty" as injurious to the ag-riculture interests of the public, Messrs. Hol-couble, Peck. King. Waters, Elwyn, Kennedy, ics. Institute to-day at 11 o'clock. Invitations

In the evening the society were favored by a Steadman, Cowley, and other gentlemen partici-

Resolved, That we object to the doctrine of

Col. Calvert, of Maryland, offered the following After the lecture, a large number of ladies and preamble and resolutions, which he supported in gentlemen were introduced by the President to an able and earnest manner, deprecating all applications to Congress, and urging action on the After the lecture, the officers and committees part of agriculturists, as calculated to command

Whereas, The prosperity of a country is in proportion to the improvement of its agriculture,

therefore,

Resolved, That agriculture should be the first interest considered in legislating for the general welfare, and that such legislation should be had as will foster and protect this interest, which is paramount to all others.

Resolved, That the time has arrived for the agculturists of the whole country to meet in convention, and determine for themselves what legis-

lation is necessary for their protection.

Resolved. That such a convention, to be composed of delegates from each State of the Union, be earnestly recommended by this society, in order that an agricultural platform may be established, which will meet the views of, and be sustained by the whole body of agriculturists as a profession.

Mr. Wagner, of New York, submitted a report on the proposed amendments to the constitution, which was discussed by Messrs. Fay and Waters, of Massachusetts, Cook, of Rhode Island, King, of New York, Hamilton, of New Jersey, Calvert, of Maryland, and Worthington of Ohio.

The constitution was so amended as to have the payment of ten dollars constitute life membership, and to change the time for holding the annual meeting to the second Wednesday of Jan-

uary. Various reports were read, among them one on the Chess in Wheat, from the Smithsonian Institute; on Agricultural History, by B. P. Poore; on Mr. Glover's Collection, by Mr. Peek; and on

Western Fruits, by Dr. Warden.

Mr. Peck, of Maryland, reported that the comcommittee of Congress, and received assurances that the matter would receive their attention.

This evening the Hon. G. P. Marsh lectured on Notices of the Rural Economy of Continental A paper on "Alderney Cattle," by Dr. W. J. G. Morton, was read and referred. Also, a paper on the "Potato Oat," from New York.

Dr. Warden, of Cincinnati, exhibited over thir-

ricultural room at the Patent Office were also ac- the subject.

cepted.

G. P. Marsh had been invited to address them on may suggest. the Rural Economy of Continental Europe.

information, and its publication will constitute a Morton, of the United States Senate, for his able valuable addition to agricultural literature.

Dr. Warder followed, with an eloquent lecture on hedges, replete with practical information.

hour in familiar conversation on agricultural sub-

After a discussion on the appointment of Commissioners to the Industrial Exhibition at Paris, agriculturalists from twenty-six States particithe matter was referred to the Executive Com-

was unanimously

Resolved, that the thanks of the United States Agricultural Society be presented to the Regents called upon Mr. Clayton, to thank him for his of the Smithsonian Institution, for the facilities speech of the previous evening. afforded for holding this session. The utility of this Institution, in thus serving as a nucleus, around which all useful associations can rally, at the capital of our Republic, shows the wisdom of the course pursued by the present Regents.

Col. Kimmel, of Maryland, read a curious extract from the Maryland Gazette, of September 8, 1748, showing that "eattle shows" were established at Baltimore in that year.

On motion of Mr. Waters, of Massachusetts, it prevent eattle from browsing the limbs.

was unanimously

proffered to Hon. Geo. P. Marsh, for the very beautifully written and exceedingly interesting lecture he was so good as to present to us last evening, and that Professor Henry be requested to

wait on him and request a copy for publication. On motion of Col. Calvert, of Maryland, it was

unanimously

Resolved, that the thanks of this society be presented to Dr. Warder, for his interesting lecture on the cultivation of hedges, and that he publication in the transactions of the society.

to visit the exhibition of the "Metropolitian Me-

chanie's Institute."

After visiting the Exhibition yesterday, the society returned to the "East Room," and, on mo-

tion of Mr. King, of New York, it was

Resolved, that the thanks of the society be presented to the officers of the Metropolitian Mechanexamined with great pleasure.

After some debate, in which a strong desire heat of the sun. for concerted action on the part of American $\Lambda_{ ext{g-}}$

Col. Calvert, of Maryland,

to visit the office of the Coast Survey and the ag-the press be requested to urge the importance of

Resolutions were passed complimenting the ag-After some remarks by Mr. Custis, giving his ricultural press, and urging its conductors to conexperience in growing wheat in Virginia, the sider political economy, and urge united action on society adjourned until 7 o'clock, when the Hon. such matters connected with it as their judgment

On motion of Mr. Taylor, it was

The lecture was listened to with great interest, embodying, as it did, a great amount of original ricultural Society be tendered to the Hon. Mr. report upon the subject of an Agricultural Depart-

Resolutions were passed complimentary to President Wilder; to the Regents of the Smithsonian The society met at 10 o'clock, and passed an to visit the Observatory;) to Mr. King, the Secretary of the society; and to Mr. Poore, of the executive committee.

Adjourning, after three days session, in which pated with great harmony of feeling, the members of the society felt encouraged by this renewed On motion of Mr. Poore, of Massachusetts, it and increased manifestation of the great interest of the Republic to assert its position.

In the evening many of the officers and members

For the New England Farmer.

PRUNING TREES, AND SUN-SCALD.

Mr. Brown:—In your paper of Feb. 24th, I notice a communication over the signature of S. A. Shurtleff, in which he concludes as follows, viz.:

"All trees should be so trimmed and trained as to allow teams to pass under them, and also to

I am aware, sir, this was the practice in the Resolved, that the thanks of this society be early settlement of New England, and the practice was handed down from father to son to the beginning of the present century, and by some to a still later period.

But I am not aware that this sentiment now prevails, and is acted on, by our best informed cultivators of fruits; but on the contrary I have been led to suppose that the practice is now considered injudicious, and is abandoned by our best

pomologists in the United States.

It is well known that the rays of the sun in be requested to present a copy of the same for this country are far more powerful and scorching than in Europe, more especially in England. At eleven o'clock, in accordance with their ac- Here the trunks of our fruit trees need protecceptance of the invitation, the society adjourned tion by the shade of the branches and their foliage, otherwise they will be seriously injured by the sun-scald. The bad effects may readily be seen in all fruit trees, but more particularly in the pear and cherry, when they have been so severely, and I believe I may add, cruelly pruned, that they resemble a long-handled corn broom stuck into the ground. The trunks of trees so ies' Institute, for their polite invitation to attend treated, are sure to suffer severely, unless they their exhibition, which they have visited and are shaded by wreaths of hay, boards, or something suitable to protect them from the intense

There are other reasons which may be urged riculturists was manifested, it was, on motion of against severe pruning. Trees will not, and they cannot be so productive, when the branches are Resolved, That the first Friday after the next severed from their tranks for 8 or 10 feet from annual meeting of this society, be fixed for the as- the ground. Is not the fruit of the lower bransembling of the Agricultural Convention, and that ches of the tree of a very choice variety, of more

under its branches? For one, I should think so; ment. I therefore disapprove of the too free use of the axe, the hand-saw and the knife among highly valuable fruit trees.

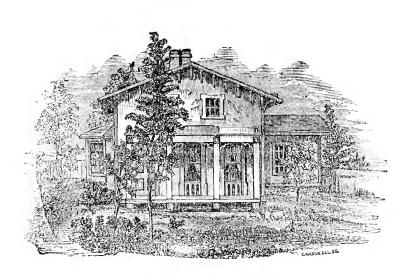
I believe also that a great and frequently a fatal injury is annually done to young orchards by severing the roots of valuable fruit trees by deep plowing close to their trunks.

For many years I have carefully considered the subject, and it is my conviction that "teams" should not be allowed to pass under the branches, or even very near valuable fruit trees. I believe it advisable to suffer all fruit trees to worthy of consideration.

value than any vegetable crop that can be raised branch near the ground for profit and for orna-

Respectfully yours, HENRY LITTLE. Bangor, March 1, 1855.

Remarks.—We believe both of our correspondents to be correct, in part. Fruit trees are sadinexperienced persons by severely mangling and ly injured sometimes by severe and otherwise injudicious pruning; on the other hand if the limbs come from the stem at about five feet from the ground, teams can come near enough in cultivation, and the loss will not be great in such trees I by sun-scald. But as in everything else, to take am also convinced that cattle should never be care of trees properly, a man must know how to turned into valuable fruit gardens or young or-do it, first, Guess work, and a blind fancy, are chards; but should be fed where they can do no alike dengarous. Col. Lympus is one of our last alike dangerous. Col. Little is one of our best injury, for they are always mischievous among talke dangerous. Col. Little is one of our best young trees. I would remark in conclusion that informed horticulturists, and his opinions are



A SUBURBAN COTTAGE.

Mr. Downing, the author of "Country Houses," cottage, with veranda. The description will be and other works on Landscape and Horticulture, found in the letter of Mr. Bradley, as communihas left us are alive, and his influence is as ver-Rochester, N. Y.: dant and as powerful as ever. We never see a tastily planned country house or a suburban cot- of a cottage recently erected by my neighbor and tage, surrounded with appropriate lawns, trees friend, Prof. S. W. Clark, of the East Bloomfield and shrubbery, but we involuntarily think of the Academy, N. Y. benefits he has conferred on the country by the Size.—The upright part, two stories high, 34 benefits he has conferred on the country by the diffusion of a knowledge of the fitting, beautiful and useful, as connected with our homes and the Front piazza, 5 by 18. scenery around them.

To promote this end we have given, from time to time, designs of houses suitable for different classes of our readers, and this week take great by 12. Closet, 3 by 7. Pantry, 5 by pleasure in presenting the accompanying elevations of the pleasure in presenting the accompanying elevations. The present to feet the pleasure in presenting the accompanying elevations of the present the pleasure in presenting the accompanying elevations. tion and ground plans of a bracketed suburban Second Floor.—A, Entry, 10 feet square. B,

is no more, but the precepts and the examples he cated to the Rural New-Yorker, published at

"I send you a daguerreotype view, and plans

by 22. North wing, one story, 14 by 16. Leanto, west end, 6 by 25. Bay window, 8 by 5.

ACCOMMODATION.—First Floor.—Front hall, 7 by 15. Parlor, 15 feet square. Dining-room, 13 by 16. Library, 9 by 12. Bed-room, 11 feet square. Cook-room, 9 by 12. Wash-room, 11 by 12. Closet, 3 by 7. Pantry, 5 by 6. Back

For the New England Farmer.

WHITEWASH.

There has been of late a great deal of prejudice against the use of whitewash for fruit trees. Nor is it to be wondered at, if we look at the manner in which it is usually done. Lime paste and whitewash are two different things; the former is lime slaked and stirred up with eold water; this forms a thick paste, unfit as a whitewash for trees or for other purposes, but is most commonly used for fruit trees. Whitewash is lime dissolved in water, which should be made by slaking lumps of quick-lime in boiling hot wa-

ter, pouring on but little at first, till it swells and eracks, and then more may be added, till suffi-cient for the purpose. If this be set aside, the upper portion will be a transparent limewater, and this is as thick as ever ought to be put on to trees. This will deposite, on evaporation, all over the tree a thin and uniform coating of hydrate of lime, which will kill the plant-lice and mosses effectually, and do no injury to the tree. For whitewashing rooms, a portion of the paste is stirred in with the lime-water, forming a milk of lime. I am aware that it is rather unpopular, just now, to wash trees at all, but after having seen trees covered with lice and moss, rendered smooth and healthy by lime-water, I have no hesitancy respecting it, but earnestly D, advocate its use. The idea that a tree is healthi-Children's bed-room, 12 by 16. E, Bed-room, 10 by 12. F, and G, Closets. H, Lumber garret. be tolerated by intelligent and cleanly men. So, Cellar.—Cement bottom, 22 by 24 feet. too, is the opposite extreme equally absurd, of Cistern.—Capacity, 190 barrels, with filtering stripping all the covering from a tree, especially paratus.

The plan of the house, in point of convenience is the case on Boston Common. Look at an oak and taste, will place it in rank among our model or maple growing in high, open pasture ground, Cost.—Exclusive of land, \$1,400,—all and you will see that nature generally does her

> Remarks.—Like potash water on fruit trees, lime may be used without positive injury—perhaps usefully—in the hands of careful and considerate persons; but we greatly prefer the use of good soap suds.

> > For the New England Farmer.

SPRING WHEAT.

Mr. Editor:—I beg to say in the start, I am not an advocate for spring wheat; yet eircumstances will justify me in advocating its cultiva-tion the present spring. Flour at \$13 to \$14 a barrel, (making the price of wheat nearly \$3,50 per bushel) is a hard price for the farmer, while he can afford to raise it at the price of rye,

say one dollar a bushel.

The main objections to spring wheat are—that it does not mature so early in the season as winter wheat, is more liable to rust, does not yield so much, and makes a heavy, dark bread. But luxury in this matter at the present time is out of the question; it is bread, at a reasonable price, that the farmer requires.*

For the spring crop, select the warmest patch of ground on the farm, to secure early maturity;

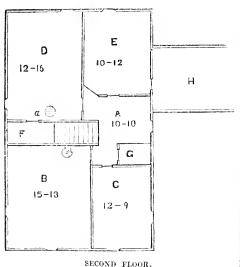
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FIRST FLOOR.

Parlor, 15 by 13. C, Bed-room, 12 by 9. by 12. F, and G, Closets. H, Lumber garret. Cellar.—Cement bottom, 22 by 24 feet.

apparatus.

the material and workmanship being of the best work about right. quality.



four years old fell 100 feet, striking in the deep snow, sow early. The failures may generally be attribunhurt.

soil; a rich, tenacious soil is better for a winter of the soil, which is as certain to result from the crop. Sow a bushel and a half to the acre; soak systematic observance of the principles and rules it over night in a pickle of four quarts of salt to of this culture, as any effect on which we can eight buckets of water; this might destroy any of this culture, as any effect on which we can insect that should be a superfective that the should be a superfection which we can insect that should be deposited in the grain, or rationally rely. Those who have but little land, perhaps in the berry itself, as is often the case in old grains or peas. Too much salt would injure ductive, should cultivate root crops in preference the germ. Roll it in ashes on the floor; sow and harrow in, and the grain will come up in and harrow in, and the grain will come up in three days; should it be a dry time, use the roller; I use it on all my grain crops at all times.

Yours respectfully, New York, March 5, 1855. H. Poor.

*War prices for flour may continue for quite a length of time, and much longer than did the "famine" prices a few years since. Europe looks to the United States as their unfailing

THE WHITE CARROT.

Col. De Couteur, in some very able remarks upon the value and productiveness of this vegetable, says, that the acreable product is about thir-branches of their occupation, and, so far as they Duce estimates the expense of cultivating the beneficial to others. white carrot "at little more than half the cost of

Having eaught something of the popular preopinions of many of the best English stock growto the cultivation of the root crops.

uted to sowing too late, and on a backward, cold to be adduced in its favor, viz.: the improvement

For the New England Farmer.

PROPAGATING APPLE TREES.

FRIEND Brown :—I suppose the design in publishing agricultural journals, is to diffuse a correct knowledge of scientific farming. We often find articles on the culture of apple trees so conflicting, that those who are seeking for knowledge are left in ignorance as to the best and most economical mode of proceeding. Therefore, all who write should experimentally understand what they are communicating to others. It is common for good farmers to try experiments in the various ty-eight tons. When we take into the estimate have been successful, I think they may be justified the superior excellence and value of the Belgian in communicating their mode of practice to other white carrent for stock feeding this will appear to the property of the stock feeding this will appear to the superior excellence and value of the Belgian in communicating their mode of practice to other ways to be a superior excellence and value of the Belgian in communicating their mode of practice to other ways and income has been on the superior excellence and value of the Belgian in communicating their mode of practice to other ways and the superior excellence and value of the Belgian in communicating their mode of practice to other ways and the superior excellence and value of the Belgian in communicating their mode of practice to other ways and the superior excellence and or White carrot for stock feeding, this will apin fruit growing, mostly apples. My method of pear a very good crop, although far less than is treatment, both in pruning and grafting, has, for often afforded by turnips or even beets. The carthe past twelve years, proved so conducive to the rot, in all its varieties, is a crop requiring a good soil and thorough cultivation, but probably one of the best crops the farmer can produce. Lord prove estimates the expense of cultivating the large estimates the expense of cultivating the large estimates the expense of cultivating the large estimates the expense of cultivating the

My mind has been more particularly interested growing any other root crop known to him. The in the management of apple trees, since reading product also of the "whites" exceeds that of the "reds" from eight to nine tons per statute acresselection of trees for transplanting, and many on the same soil." We have cultivated the white other topics of his discussing, I do most heartily carrot only in small quantities, and cannot say concur with him. But as to pruning, there is an with any degree of confidence what their comparative merits are. But the opinions of others all of the New England States, my labor in may, perhaps, lead us to a higher estimate of pruning, for the past twelve years, ought to have some crops not now usually cultivated among been very disastrous, and to have destroyed three hundred trees, which, I am happy to state, are now living witnesses, showing to all beholders the judices against the cultivation of roots, for many process! Mr. G. save 1411. years we entertained a strong belief that they is in June, or early in July. February, March were of little value as feed for stock; but experi- and April, are the worst three months in the ence—that excellent teacher—together with a year for pruning any trees. Sap soon after flows careful investigation of the experiments and prince opinions of many of the lest English stock grow—limbs, poisoning and killing the bark, and if opinions of many of the best English stock grow-ers—has dissipated that belief, and we now deem it a duty earnestly to recommend the cultivation require attention during the first few years. of root crops to all who have stock of any kind to After this, the pruning required is very trifling in feed. In no way can the farmer produce so much Apple protected by leaves are much larger and valuable food at so small an outlay of time and cash; and if he will give the subject a little insum in July and August. The most common vestigation, and refer to an article in the June error in pruning is in taking out too much of the number for 1854, basing his estimate of a crop of central portion of the tree, leaving naked limbs, carrots at not less than 800 bushels to the acre, we think he will come to a conclusion favorable This is a very great error indeed, and I have no doubt that excessive pruning has frequently come There is also another very important argument under his observation. I also believe that a neg-

lect of pruning at the time specified by Mr. G., during the ordinary life of man, would be attended with consequences equally as great. If friend Goodrich could see some of our Roxbury and that is the usual reason why pruning is done in March—because there is more leisure at that season. We have no least that is the reason of years, I think he would come to the conclusion over the State. that nothing larger than a raccoon could get among the branches to harvest the apples.

generally selecting the warmest days of February particular degree, to the cutting off of limbs, and March, taking out all limbs that were liable to come in contact and injure others by galling. killing the bark below the wound.

than those grown exposed to the fair rays of the the protectors, but the caterers of the fruit, consun, is a question easily to be decided by present-ing them for sale in our markets. (d.) A few rabulum it required to bring it to perfection. years since, I selected two barrels, (most of them pabulum it required to bring it to perfection. grew where they had a pretty fair peep at the Mr. Morrison is a careful and successful orsun,) and carried them to Boston to be sold on chardist, and it is because he is so, that we are commission. I received twenty dollars for the unwilling our readers should believe that we enapples, after deducting the commission for selling, dorse his theory of March and April pruning. Now if Mr. G. will select the same quantity of apples grown in the shade, protected by leaves, If he had pruned a portion of his trees in June or and receive the same amount of money from any October, there would be opportunity of comparof our markets, then we may conclude that his ison on his own grounds-but there is none now. theory and mine, in this respect, hold equally good, although we somewhat disagree in the mode of treatment which produces the fruit.

Somerville, 1855. N. P. Morrison.

operations upon trees set by another person, that time, the demand upon the system by the leaves many of them coming out within two or three wound in inflicted." feet of the ground. He cleaned and pruned Downing says—"There are advantages and disthem, and thoroughly manured and tilled the advantages attending all seasons of pruning, but soil. Where limbs were cut off, the wounds our own experience has led us to believe that were immediately covered with tallow, and the practically, a fortnight before midsummer is by sun, wind and rain kept from their fresh surfaces, far the best season, on the whole, for pruning in By this eareful mode of treatment, and giving the northern and middle States." great activity to the growth, he has, undoubt- Pontey and Loudon both say-"There is, howit is the exception to the general rule.

(b.) Mr. M. says he commenced pruning in ties, that had not been pruned for ten or twenty season. We have no doubt that is the reason all

(c.) After giving the products of his trees for several years, he adds, "so much for February I commenced pruning the orchard I now own twelve years ago last February, thinking it would and March pruning, as though the increase of be economy in me by so doing, as the various the crop were the consequence of the pruning. other branches of farming would soon require my That increase, however, should be imputed to the whole attention. (b.) I have pruned every year, manure, cultivation and care, and not, in any

(d.) Mr. Goodrich, in his article of April of I have taken off limbs five or six inches in diam-last year, says, "apples protected by leaves are eter, rubbing the wound with cold beef tallow much better, larger and fairer, (being grown as until thinly coated, and thus far they are vigorous Nature designed,) than when grown on long and healthy. The product for the first, third and branches, exposed to the sun in July and August." tenth years, were as follows:—1842, 45 barrels of winter apples, (early not included;) 1843, Will any man acquainted with vegetable physi-86 barrels; 1844, 183 barrels; and in 1852, 400 ology doubt this! He does not deny the necessity barrels. So much from February and March of sun and air, but is an advocate for a good pruning. (c.) I do not apprehend, from what experience and observation I have had, that early spring pruning of healthy trees would, if judiciously done, ever be attended with serious conseture, strip her grape vines of a portion of their quences, in any extreme of climate to which New leaves, in order to let in the sun and ripen the England is subject. But I am aware that, in fruit; but to her surprise, where the leaves repruning diseased trees in any season, there fre-mained as Nature had disposed them, the grapes quently flows a poisonous sap, blackening and were the carliest and every way the best. This were the earliest, and every way the best. This As for apples grown in the shade, protected by led her to investigate the matter, when she was leaves, being larger, fairer and of a better quality delighted to learn that the leaves were not only

Mr. Morrison is a careful and successful or-

The highest authorities we have are opposed to Mr. Morrison's theory. Prof. Lindsley, the most eminent horticulturist in our knowledge, says-"take care never to wound trees at the Remarks.—(a.) Mr. Morrison commenced his time when their sap first begins to flow; after a were generally healthy, but selected without a becomes so great that there is no surplus, and particle of taste, being crooked and the limbs of therefore bleeding does not take place when a

edly, gone so far without the usual bad results ever, one season for pruning unquestionably of March and April pruning. If so, however, preferable to all others, as far as the welfare of the tree is concerned. It is well known to physsap is returning, wounds heal with the greatest too much room in your useful columns, for the rapidity. This, in hardy trees, is uniformly a matter it contains, and hope that you, being a week or fortnight after midsummer."

ruary to the middle of July, but carries it on nothing. during every other month of the year; pruning the cherry, or any other tree very apt to guin, only in July and August.

We have again examined Mr. Goodrich's article, and think it, as we said at the time, worthy of more than the usual attention.

For the New England Farmer.

AN EXPERIMENT WITH GUANO.

agent of yours asked me to subscribe for the vicinity? I told him I was taking so many papers that I could hardly afford another, though I was satisfied from representation, that the Farmer was among the best, and consented to try it. so familiar and interesting an inmate of my family, that I could not resist its company; therefore paid for one volume, and now enclose two dollars for a second, as it grows more and more useful and interesting.

ence in following its advice, which if it do not in number, and unfit for fodder; but on inferior elicit something from other pens by which I can profit, this relation may benefit somebody. I have long thought that farmers were too pennrious in making outlays upon their farms—looking too valuable grasses, shoots early, and affords from much upon the amount expended, rather than to its tufted growth, an early bite for eattle or the interest to be derived from the outlay, and the sheep. The seed is for sale at Ruggles, Nourse, extraordinary security of such investment. For Mason & Co.'s, Boston, at \$2,50 per bushel. instance, most farmers have more or less swamp covered with deep muck worse than useless in its natural state, which by expending one hundred dollars per acre in clearing it up, root and branch, and ditching it, may be made more valuable than tober, 1852, is an article giving the process of any other land whatever; sure to return to the dissolving bones in diluted sulphuric acid. As I owner from 9 to 12 per cent. on the outlay, besides paying all expenses.

Last spring, with this view, and hearing so much and place of obtaining it. about guano, I thought I would try it. Accordcost me here \$5,00—and which when pounded ask three cents for an ounce, which would be fine, measured about three bushels. This I mixed forty-eight cents per pound. At that rate it thoroughly with nine bushels of good rotten would make rather costly manure.

L. B. P. Weston, VI., Feb. 26, 1855. about an aere of grass ground, good land for corn, after putting on 20 loads of long manure; harrowed it smooth, made a nice hill, and planted it hill, placing the corn directly upon the mixture quantities of any of the large druggists. It comes and covering it with fine soil. This seemed to dry up and look as though it were caked and never sprouted. After four or five days, I plantical it was looked and the control of ed it over by putting the seed on the top of the old hill, and with the same result. The rest of

iologists and observant gardeners, that when the am aware, sir, that the foregoing will take up practical farmer, will give us a condensed column on the use of guano, so that we may not pay out Sang suspends pruning from the end of Feb- as for quack medicine, all our substance for

> Respectfully yours, &c., N. Colby. Derby, Me., Feb. 19, 1855.

EXTRACTS AND REPLIES.

COCK'S-FOOT OR ORCHARD GRASS.

Mr. Editor: - Can you give me any information about American cock's-foot or orchardgrass? I see it is highly spoken of in Pennsylvania. Is it cultivated in your State, and how far North would it succeed? Is it better adapted AN EXPERIMENT WITH GUANO.

than timothy-grass to sow with clover on dry,

Mr. Editor:—A year ago last November, an arid soils, and is the seed kept for sale in your

Remarks.—We have not cultivated this grass, but find by the books that it thrives well in moist, shady places, and especially in orchards. Accordingly it came, and in one month it became It grows freely in most situations, is hardy and productive, but rough, harsh and coarse, and much improved by cultivation in open grounds. As a single plant to sow with clover for hay, it is altogether unsuitable. On good lands, it But I must relate withal, a little sad experi-shoots up strong, coarse stalks, too tall and few

SULPHURIC ACID.

MR. EDITOR: -In the monthly Farmer for Ocwish to try this as a manure, I would like a little information concerning the price of the acid,

The price given in the article referred to, is one ingly I sent to Boston and got 150 lbs., which dollar for forty pounds; but our merchants here,

Remarks.—The price of sulphurie acid as given in the October article was correct, as we went with corn as far as the guano went, by putting directly to the dealers for it. It may be a little one pint of the mixture (one gill of guano) to the higher or lower now, and can be purchased in

MOWING LAWNS.

Mr. Editor:-In the April number of the the piece I planted with muck from the hog-yard Horticulturist for 1852, a communication from a in the hill and had a good crop. The seed was "Montreal Subscriber" is published in reference all alike, and prepared in copperas water, according to "Mowing Machines for Lawn," which he ing to directions found in the Farmer-and it represents as doing the work in a superior manall came up well except that with the guano. I per, and very expeditiously. He gives what he calls a cut and description of an English mowing conveys it to the roots of the points. Paster machine for lawns, furnished by Messrs. Shanks may be applied to pasture or mowing lands in & Son, Arbroath, N. B., but little idea of its construction, operation or utility can be gathered from either, further than—that it is made to cut different breadths from 20 to 42 inches, when there is a heavy dew, or when it is cloudy was furnished by Messra at the same weather. performing three different operations at the same weather. time, viz.: rolling, mowing and collecting the grass, and works with perfect case, producing a beautiful smooth surface, and attended with a great saving in abridging labor. We will all agree, I tionsly, it would not only be of great utility to word for it, he will have a good crop of plums, many who are endeavoring to keep extensive if the curculio don't find its location. J. B. C. grounds in order with the scythe; but would probably induce hundreds of our friends to have their grounds in good keeping who are deterred by the time, expense and trouble now required you or your correspondents be so good as to put us on the right track for obtaining the most desirable article of the kind for the above purpose now in use, and oblige many as well as

A HARTFORD SUBSCRIBER. Hartford, Conn., 1855.

Remarks.—Mr. Nourse, the proprietor of this paper, when in England, sent home an English lawn grass-cutter, or mowing machine, which we had the pleasure of examining, and thought it among the most highly-finished and beautiful machines of that character that we have ever seen. It not only cut the grass, but collected it as fast as it went along. We believe it was the intention of the house of Ruggles and Company to manufacture them, but the demand, as yet, does not seem to justify it. It is thought that a one-horse mowing machine, taking a swarth about three feet wide, would be admirably adapted to lawn mowing, as well as to the common fields. We hope something will be found to mow lawns rapidly, because there is no one thing more ornamental to the farm than a handsome, well-kept lawn, and if it could be cut rapidly and conveniently, no other part of the farm would tice of it. She went as though sore in her fore be more profitable.

USE OF PLASTER.

I wish to inquire through your paper the best time to use plaster? Whether to put it in to the hill when planting potatoes, or at hoeing time? Also, when to use it on grain at sowing time as when the grain is up, and what ground it will do best on. Stubble ground or grass land, plow this spring, or how will it do mixed with ashes! My farm is somewhat of a gravelly soil.

Salmon Gerry.

Cabot, Vt., March 3, 1855.

soonest admit the rain water which dissolves and for a great many years.

calls a cut and description of an English mowing conveys it to the roots of the plants. Plaster

PLUM TREES.

Mr. Editor :-Please tell "J. T. W." of Marlpresume, that if there was an article for mowing lawns which could be obtained at a moderate not been done. If it has been grafted, tell him price, that would do its work well, and expedito prune the roots, if the tree is thrifty, and, my

North Reading, 1855.

MUSCLE-BED FOR MANURES.

Friend Brown: - Will you please inform me for that purpose. And now, Mr. Editor, will through your excellent paper, what month of the year you consider as best for applying muscle-bed manure; also, in what quantity to the acre. My land is rich, though a little dry in summer, as it lies on a substratum of sand at the depth of 2 feet. Boston, Feb. 15, 1855.A Subscriber.

> Remarks.—We have never used "musele-bed" as a manure, and cannot speak of it with confidence. We should think, however, that it must be a valuable fertilizer; it contains common salt, which is an important ingredient in the best of manures, and most with putrid animal substances. Some of our coast correspondents will be able to answer the interrogatories.

MAKING DRAINS.

Mr. Editor:—If I lay on the bottom of the ditch a board, and slate on the board, (such as is used for houses) lengthwise, and then common bricks on each side of the slate, edgewise, half-an-inch apart, and slate on the top to cover the same, and then fill the drain, will it not answer equally as well as drain brick?

Having a lame cow last fall while going in a close pasture, I thought she might have strained herself in some way, but did not take much nofeet, and finally grew worse, until the first of January, when I examined her, thinking she might be sore between the dew-claws, but could find no symptoms of disease there; I thought it must be the bone disease, which I had read of in some previous number of the *Farmer*. I got a bone as big as a man's fist, and burnt it to a white powder, and gave her in four of her regular doses of meal at night, which soon effected a perfect cure.

Newburyport, Feb. 17, 1855.

Remarks.—We suppose the inquirer means to ask whether the plan he describes will answer as well for draining as to use what are called drain-Remarks—After plowing a field, sow the plas-ling tile? Where stones are plenty, no bricks or ter broadcast and harrow under, two or three slates are required. A good stone drain, with a hundred pounds to the acre. Use your ashes at gullet of three to six inches in diameter, covered some other time. Plaster operates beneficially with stone first, and then with straw, grass or on light, dry, and sandy or open soils, as they sods reversed, will make a drain which will stand

SWALLOWS-PLUM TREES.

than never; acting on that principle, I give you powers are exerted, poorer than before. I say the following items which I found in my note-book the other day. The first barn-swallow made be set right. its appearance here April 27th, for 1854. Same I know that guano is more benencial in raising day, in travelling to a neighboring town, some fifteen miles north, I passed a stagnant pond with ascribe to the superfluity of a certain quality in a large and apparently hollow tree standing near its edge; and handreds of swallows were upon its of gyrations, apparently for no other object, than to try their wings; acting, all the while, as though they had just waked you from a large and processed a suggest of the supernative of a certain quanty in the soil which is brought into inmediate action on the crop by the help of the guano, which qualty I think had better be left in the soil. In respect to the kind of soils, I think that a damp soil is the best for guano. It seems to do no precivable good on our form which is a great though they had just waked up from a long no perceivable good on our farm, which is a grav-sleep. We could not stop to make observations, el loam. I applied it last year on corn; and from The first detachment of swallows at our barns, test detachment of swallows at our barns, son and any bring group. It was the country search and any bring group. met for a drill. July 19th, to the number of for-son, and applying guano, it was the poorest crop ty or lifty; in two days they were gone. Many we ever raised. others lingered about some three weeks, ere they departed; but they seemed to look lonely and tage; I mean lasting advantage to the soil; but sad." I believe, that with the exception of your I have yet to learn how to apply it. At all events, remarks, carly in the season, no one has given us give me barn-yard, or composted manure, and I observations respecting the swallow, during the will get along with the trouble of hauling last year. I hope the poor swallow is not going to be forgotten. Some philosopher has said, "that ed, seeing it is the first time I ever wrote for the control of the contr a swallow will destroy an average of nine hundred public eye. I can offer no excuse for occupying insects a day—and that some of these insects a place in your columns than that I have never, will bring into existence seven generations in one but once, seen anything from Middlesex county, season. Verily, then, the swallows should be Conn., and I hope this will incite them to write looked after and cared for. Why not?

Can you tell me what to do for a plum tree, which is very thrifty, blossoms every year very full,-but never ripens any, and with the exception of one or two years, has never formed any plums. We have tried various things, but without success. Marlboro', N. H., Feb., 1855.

Remarks.—Your facts of the swallows are interesting. Head in your plum tree—that is, cut off a foot or two of the ends of the limbs immediately; dig about the tree; manure it, and wash with soap-suds.

WHAT WILL CURE HOLDFAST.

Mr. Editor:—Can you or any of your correspondents tell me through your columns what will cure a holdfast in its first stages? The holdfast is on the upper jaw of the ox. B. W. GAY. New London, N. H., 1855.

Daniel Childs, Cotuit Port, will learn particulars about machine for cutting brush, by addressing Col. Charles. E. Stanley, Methuen, Mass.

For the New England Farmer.

ON THE USE OF GUANO.

Mr. Editor:—I have read with much interest your valuable paper for the last eighteen months; and especially any articles on the use of guano.

is some powerful extractor in it, which awakens Mr. Editor: -The old adage says, "Better late the soil to new powers, and leaves it, after these

I know that guano is more beneficial in raising

It may be that guano can be used with advan-

But I have already written more than I expectsomething better.

Durham, Conn., 1855.

Remarks.—Very well; let us hear from you

CURRANTS.

The fruit of the currant is universally admired. Its pleasant sub-acid flavor renders it peculiarly excellent in tarts and pies, and makes, with a small addition of sugar, a very desirable substitute for apple sauce. From the ripe fruit, an excellent and cheap wine may be manufactured, either with or without alcoholic properties. No fruit is susceptible of more easy cultivation. It will readily adapt itself, in some degree, to every description of soil, and may, without much trouble, be made to produce, even prodigiously, on those which are constitutionally moist and wet. In cultivating it, however, it is better to adapt the soil to the plant, rather than endeavor, by forced efforts, to adapt the plant to the soil. Acclimatory changes are generally slow, and bave a decided tendency to destroy the strength and hardihood, as well as the prolific power of all plants. Yet circumstances, as well as the capriciousness of taste, often demand this.

In setting currants, the soil, in the first place, should be well prepared by plowing or digging, I have just been reading one signed "Amplifica- and reduced to a very fine tilth, and should then tor." I think with him, that if the farmers were be stimulated by warming and invigorating manto save and make more manure on their farms, ure. A porous, or not too retentive sub-soil, is (which manure we have, if we would but look after it.) we should in five years be much better ter it.) we should in five years be much better ter in the surface soil. When the latter is defided. In my opinion, there is not so much real cient, it may be well to supply it. Into soil thus goodness in guano as some suppose. But there prepared, the cuttings from old plants—the fresh,

be set with an almost certain assurance of suc- large supply of the phosphate,) with excellent and inserted in the lines or beds to the depth of The speaker also showed that the "excrementosix or seven inches, and the soil well compressed ry" theory, also, was fallacious. In considerabout them; the surface should then be covered ing the rotation of crops, the farmer ought first with old, well-rotted chip-manure, hay, leaves or to ascertain what kind of crops he wants to grow. straw, so as to keep the ground at all times moist. If he wishes to raise cattle, he can only increase It will be well to seatter a little lime or ashes on the surface before mulching.

The plants must be kept well weeded, and be watered the first year, if the season be dry. By removing all the leaf buds except some few-say four or five of the topmost ones, and checking the tendency to lateral growth, very prettily formed and symmetrical trees may be obtained; but this operation must be annually repeated till the plants or bushes have assumed the requisite height and shape, which will generally be in about three years from the time of setting. But more fruit will probably be obtained from the clump of bushes. Gooseberries may be cultivated in the tree form, and perhaps with advantage. Under the old way, the gooseberry is often injured, or destroyed by mildew. The tree method is said to obviate this evil, and secure elegant and healthy bushes and fruit. The subject is worthy of attention.

NINTH LEGISLATIVE AGRICULTU-RAL MEETING.

Reported for the New England Farmer, BY WILLIAM W. MILL.

the Representatives' Hall, at the State House, on Tuesday evening, 13th inst. The subject for consideration was—The Rotation of Crops.

R. Morris Copeland, of Lexington, presided, and opened the discussion in an interesting manner. The subject of a rotation of crops, he said, must appropriately follow that of manures, which had been discussed at the two previous meetings, for the principle of rotation is the fertility of the land. Instead of putting on topprinciple of manures. It is often asked, why dressing, go through this system of rotation of should we wish for a rotation of crops! And it crops. Another rotation would be to take stubhas been affirmed over and over again that none ble land, and, instead of beginning with corn, was needed, because in England wheat had use turnips, putting on a dressing of manure, been raised for a long series of years upon the same land. But the reason of this is found in the fact that the English farmers have cultivated their land highly, and he doubted whether Western farmers would be willing to spade their land instead of plowing it, in order to obtain a large erop. Why one crop succeeds better after another has not been determined. It has been explained that one crop first takes all the constituent qualities from the land which it needs, and yet leaves something untouched which is required for the succeeding crop; but this is incorrect, as and said that it was not with grain crops we

vigorous wood of the previous year's growth, may turnips, which follow corn (which require a These should be cut off near the surface, success, absorb more phosphoric acid than corn. his herds either by rotation of crops or by extra manuring. Now four pounds of turnips are equal to one pound of hay, and it has been said that ten pounds of hay will make a pound of beef. Therefore, as we can get twenty tons of turnips where we can two of hay, the profit in raising turnips is very apparent. If a market gardener in the neighborhood of Boston wishes to grow celery on the same land for twenty years in succession, he does it, and with wonderful success. Therefore, before deciding upon a rotation of crops, the farmer should decide whether his market demands it, or whether it is better to buy manure. In a section where the chief aim is stock growing, and manure is not abundant, a good system is to take a piece of pasture land, put on a fair amount of manure, plant with corn, and seventy-five bushels may be obtained; follow it with turnips, applying a small amount of barn-yard manure, and about six hundred bushels of turnips will be the result, which, it has been seen, are better than two or three tons of hay. Sow down in the fall to clover and grass, and a very large yield is secured, and the land will continue to yield for two or three years The ninth meeting of the course was held in without manure, and, at the end of that time, it is put into pasture again; a most succulent feed will be obtained, which will hold on through the season, and the pasture can be used for two years, remaining so verdant that a half a dozen cattle can be fed where one usually is. Another advantage will be, that the range of the animals will be less, and their droppings be more concentrated, which will greatly tend to maintain the and then follow with wheat or any kind of grain; after which, put in clover, and then turn to pasture. By a sub-division of one hundred acres, corn, wheat, potatoes and pasture might be embraced in a small surface. But after all, whether we pursue rotation of crops or high farming, the truest method of farming is that which gives back to the soil what the plant has taken away, at the same time increasing its value as much as possible.

Mr. FAY, of Essex, was called on for remarks,

for several different crops. From this fact comes two tons to the acre with very little manuring. the system of rotation, by which good crops are obtained with but little manure, much less than is now wasted in top-dressing. One great advantage of rotation with potatoes or turnips is, that, after they get leaved out they shade the land and protect it from drought, and draw the most of their sustenance from the atmosphere, leaving the ground rich, with the bulk of the manure applied yet in the soil, to operate upon the succeeding crop. Another advantage of ground, as a wheat crop, exhausts the soil much more than when taken from the ground and matured like the root crops. The potato is not an exhausting crop, and leaves the land in excellent tilth. The only rotation which he thought could be generally adopted in this country, was the following a ten years course. Suppose a farm of one hundred acres divided into ten parts, one-tenth in grass the first year; the next year maize, a remain as long as it continues profitable. By deal of land because labor is too high to make beginning with a root crop, bringing the land extensive farming profitable. under high cultivation, the farmer will find that his manure is not lost. Turnips should never be followed by any crop which requires to be planted in the autumn.

the suggestion of the Chairman, in regard to con-energies. centrating the droppings of cattle in pastures, able crops for us to raise. He had plowed grass so long again. and turnip seed in together and the result was

could imitate the rotative system of foreign coun-equal to three or four crops of hay. Turnips are tries, but in Indian corn we have something the things with which to enrich a farm; the much better. The principle of rotation is, that farmer, however, should not carry them to market one kind of plant takes certain properties from but keep stock to consume them on the premises. the soil, and another, different qualities—as corn Carrots, also, should be one crop, because they one kind, potatoes another, barley another, &c. : require deep and rich culture. If corn followed and thus one piece of land will supply ingredients carrots, grass would grow seven years and yield

Mr. Brooks, of Princeton, thought the rotation of crops should be different under different circumstances. Potatoes, corn, wheat, and then eight years in grass, is the most profitable on his soil. He was not so sanguine about turnips as some. He had raised them and they are an excellent crop but they are also uncertain. He . could not reckon upon them oftener than once in two years. They do not start easy and are very sensitive to a hot sun and dry weather. If they root crops is, that a crop which is ripened in the lack rain for a few days in Spring they are pretty sure to wilt down and die. They need a moist climate. The same objections also exist against carrots. In dry seasons, too, turnips are more corky. He had succeeded best with flat turnips. Cabbages might be a good rotative crop to plant in rows with corn. He had known the experiment to be tried with much profit. He did not think, however, that rotation of crops could be gone into so largely as some gentlemen think. good crop of which can be cultivated, under Gentlemen had spoken about keeping pastures proper management, and without exhausting the verdant the year round; he did not believe that soil. Or commence with turnips, and follow it could be done on account of our severe drouths. with corn or potatoes; then follow with the Could it have been accomplished last season? As other crop, then again reversing it, and then go for cultivating pastures and occupying but little back to grass in five years; and, by pursuing the surface it will not pay while land is so cheap as rotation on each section of the farm, grass may it is in this country. We must run over a great

Mr. McLelland, of Sutton, coincided in the remarks of Mr. Brooks and thought the remarks of the Chairman would apply rather to market farming, not being practicable in the legitimate farm-Mr. Dodge, of Sutton, was next ealled up by ing of the State. He described the method purthe Chairman. He gave it as his opinion that a sued at the South, which is to let large portions system of rotation of crops would pay farmers of a plantation lay idle for a number of years, much better than the old system. He thought in order to give it rest and time to recuperate its

Mr. Emerson, of Boston, inquired what kind of worthy of consideration. The pasture lands of grass was the best to stock a pasture with. He the Commonwealth have depreciated exceedingly had a pasture which he had allowed to "recupeduring the last thirty years. The rotation of rate" for ten years and the result was nothing crops is not understood in this country. Corn, but moss, briars, and mongrel grass. He was potatoes, turnips and grass, are the most profit-going to disturb it and did not mean to let it rest

Mr. McLelland, of Sutton, replied that he convery gratifying. The grass was much more luxu-|sidered a variety called the Rhode Island "bent" riant than when planted alone and 500 bushels of to be the best. It is lighter and a little different turnips were obtained to the acre, which, at the from red top. In regard to the uncertainty of estimate of Mr. Fay, that four tons of turnips turnip and carrot crops, alleged by Mr. Brooks, are equal to one of hay, would make this crop he said that in his neighborhood turnips were re-

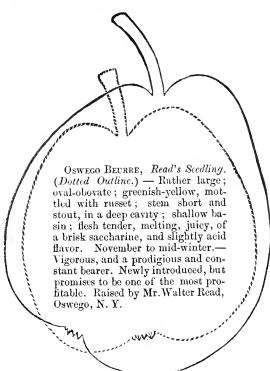
garded as a quite sure crop. He considered them gard to the drouth affecting root crops his obserthe most profitable erop in proportion to the ex- vation, during considerable travel last season, pense of growing them for feeding stock. He showed that they bore the severe drouth better thought it a good plan to cut the grass early in than any other crops. He also remarked to Mr. the season, then plow with the Michigan plow, Emerson that ashes applied to the roughest pasput on twenty or thirty loads of compost, and ture lands will bring in white clover. then plant turnips. This would put the land in excellent condition for carrots the next year. ture, remarked that as a general rule the rotation The latter he considered as certain and profitable of crops in this country should be much shorter as any crop he ever raised.

ment of Mr. Fay in regard to corn, potatoes, bar-tion. It should also be adapted to different kinds ley, &c., each taking different ingredients from of soil, as one system will not do for all. the soil. Chemical analysis shows that these erops all take about the same matters from the ration of Fruit and Forest Trees. earth, although not the same quantities. In re-

Mr. FLINT, Secretary of the Board of Agriculthan that in England, as it is with us the desired Mr. Copeland, the Chairman, corrected a state-object to keep the grass lands in the best condi-

The subject for the next meeting is The Culti-

OSWEGO BEURRE AND BEURRE DIEL PEARS.



low, marbled with russet, large brown dots; stem of the wooden fences in the United States, would rather long, stout, in an uneven cavity; flesh be deemed fabulous, were not the estimates founded whitish, rather coarse, half melting, rich, sugary and delicious. When perfect, is first rate, but often insipid or astringent, being difficult to rich representations. It requires a warm in this country, the most costly production of the West. Best on quince. Foreign.

Beurre Diel. (Larger Outline.)—Large; ob- What does it cost to Fence?—The amount tuse-pyriform to obovate; lemon or orange-yel- of capital employed in the construction and repair pen. Rather apt to crack. It requires a warm in this country, the most costly production of location, high culture and warm season in the human industry, is the common fences, which di-North. More certain in the Middle States and in vide the fields from the highways, and separate them from each other. No man dreams that when compared with the outlay for these unpretending or more, and full corn cribs for many rods in monuments of art, our cities and our towns, with length, where the hens went at pleasure, and they all their wealth, are left far behind. You will made nests under the trees, and among the bushes, scarcely believe me when I say that the fences of and all about the buildings, and in the back this country cost more than twenty times the kitchen, and just where they had a mind to: and amount of specie that is in it.'

KEEPING POULTRY IN LARGE NUM-BERS.

LUTHER TUCKER, Esq.:—In the Country Gentleman of 25th inst., D. H. R., of Hartford, Conn., profitable is to keep them in the "old way. wants to know how to build a chicken house for Proportion the number to the ground and build-"about I,000 fowls." If my poor opinion is ings you have. Give them liberty to run at large worth anything, he will not build it at all. Fowls, for a portion of each day in warm weather, with in any large number, will not thrive unless they comfortable quarters in winter, and pure air, alhave a wide range. They are, partially, a grainwal. When the ground is bare of snow, in winter, they pick the grass if they can get it, and are fond of green vegetables of any kind. In turn abandoned. Yours truly, L. F. A. summer they pick and eat grass every day. They are great seavengers after slugs, insects, and all kinds of flesh. They are better, also, for having some flesh food in winter; and abundant air, fresh and pure, the must have always. Although I have seen it tried, I never knew a large collection of several hundred fowls succeed in a confined place.

the country came near town, and enclosed an regard to the use of guano and superphosphate of acre or two of ground with a high picket fence, lime. That both these agents are valuable in the and put up a building, at an expense of near or highest degree to the farmer, is very certain: but quite a thousand dollars, intending to supply eggs it is equally certain that we still need much light for the Buffalo market. He had his barn well in regard to the use of them. While some among done off with any quantity of roosts, nesting us have derived much benefit from them, others, places, and other conveniences. He started his thus far, have been inclined to think that they concern with seven or eight hundred chickens, had "better have let guano alone." and for a few weeks, crowing, cockfighting, lay Last season I blundered upon an experiment, mg and cackling went on to his heart's content. with the results of which I feel highly satisfied. He had food of all kinds for them and great anti- Perhaps some of your readers may be benefited by cipations were indulged of fortune-making in his the hint. Late in the spring I had in my barn a chicken enterprise. But three or four winter large quantity of rye straw, and did not exactly months told the story. The fowls got diseased—know what to do with it. I was unwilling to sell the hens first cut the feathers off the roosters—or what were left of them after they had fought themselves almost bare, and then the hens unit there was the question. The stalks were long, fleeced, in the same way, each other. They stop-stout and stubborn. I first spread it in the barnenough in them to crow up the morning!

food and to help themselves to it. They need extense, pure air, and enough of both. I knew one My neighbors smiled at the operation as if it man, or rather the man's wife, in the Scioto Val- were labor thrown away. I feared myself that ley in Ohio, who kept five or six hundred fowls it would be pretty much so. The seed came up—that is, she told me she had that many—and I very quick, and grew rapidly. There was a pro-

they sat on their eggs and hatched out their chickens at will—a self-sustaining poultry establishment, in fact. This plan worked; but as to the profit of it, I doubt whether the old lady could give any intelligible account in the matter.

No; I believe the only way to make poultry

Black Rock, Jan. 2, 1855.

Country Gentleman.

For the New England Farmer.

GUANO WITH RYE STRAW.

Mr. Editor:—The letter of Mr. William C. Little, in your issue of March 10th, is a valuable A few years ago some enterprising man from one, and will doubtless influence many farmers in

ped laying, were tormented with lice, got the yard, and allowed it to be thoroughly soaked in "ronp," went moping about the place, and died the rain; I then threw it into a heap, hoping it off like a pestilence; and by spring, but a few would heat and become friable; but after waiting miserable, sickly things were left, with scarce life a week, I perceived no signs of fermentation. I then opened the heap, and proceeded to recon-The difficulty was not in want of food nor care. construct it, sprinkling guano in small quantities But, from the necessity of the ease, they were upon the layers as they were laid up. In a few erowded in their roosts; they were disturbed by days the steam issuing from the heap, showed that each other in their nests, and had not room enough my wishes were about to be realized. But by this any where, even with the outside range of an time it was past the beginning of June, and whataere of land. The truth is, that to flourish, hense ever was to be done in the way of planting must must have their liberty, when kept in large num- be done quickly. I took the straw (a great part bers. They want to range the fields by day and of it still unaffected by fermentation.) and putnot be crowded at night. They want a variety of ting it into hills, planted corn upon it, intending

don't doubt it, for the whole territory, for acres fusion of stalks in each hill, and their deep green about the farm, was speckled with them by day, color attracted the notice of passers-by. As it and the trees and the corn-cribs and the barns grew near the time of "cutting up" I could not and the sheds were filled with them at night. bring myself to do it; I told a neighbor that if They had a great big farm of a thousand aercs, he would cut out all but four stalks in each

wages. The rest were left to grow, and the produce, notwithstanding the late planting, the natural dryness of the spot, (a gravelly knoll,) and the fact that so much of the strength of the der, was as handsome corn as you would wish to

Some potatoes planted with the corn, and in the same way, were among the very best I raised. Agricola.

AGRICULTURAL PREMIUMS.

Every observing person, as he passes through the various sections of our State, cannot fail to notice that very important advances have been made in the art of agriculture during the last ten years. Improvements are evident in many particulars; and a prominent one, observable everywhere, is the reclamation of low meadows, heretofore sacred to frogs, flags and febrile diseases, partially inundated, and covered with a reluctant growth of moss-enveloped trees, in a state of decrepitude from their youth, and always appearing entirely too old for their age. Beyond affording a few berries in summer, a little coarse herbage for cattle during extreme droughts, and sundry loads of black alders, hackmatack or swamp maples for fuel, they were of no use to the farmer, save as "a receptacle of things lost upon earth." They were an offence to the nostrils, a foul blotch upon the landscape, and a plague to their possessors. But, lo! see what Industry, aided by the fair hand of Science has done. From this chaos of materials, and these Stygian rivers, we may see not only the greenest lawns in April, and the full harvest in July, but the most delicate garden products, whose roots find rich pasturage in the light, porous, and congenial soil, drained, lightened and penetrated by the cheering rays of the sun. Not only the more hardy vegetables, but the delicate celery, broccoli. the strawberry and choice flowers of the garden, find a position and aliment which they like, and from which they present their most perfect organızations.

Now, redeemed from their "reign of terror," thousands of acres of these bogs, once worth from five to twenty dollars per acre, will sell at from fifty to two hundred dollars, according to the position which they occupy. It is now ascertained that they are among our most profitable lands; that when once reclaimed and brought into "good heart," they will yield a fair profit, for a greater number of years, than any other lands we pos-

hill, he might have what he could get in this productive of excellent results, already, the prinway. He was glad of the job, and made good ciples of this art are not generally understood, and consequently much valuable labor is lost for want of a proper direction.

Another obvious improvement is in the division manure was withdrawn by the stalks cut for fod-of lands. Instead of dividing fields into lots of one, two, three, or four acres, farmers are taking out fences, and giving themselves ample scope in extended fields, and thus cutting off the "unprofitably gay'' furzes, and mulleins and burdocks, that "hug the walls," and find moisture and warmth under their protecting sides. At the same time these generous fields give an air of amplitude and character to the homestead, which is gratifying to the possessor, and pleases the traveller of taste as he passes along.

The appearance of the rural gardens of the State shows that the teachings of the agricultural papers and the farmers' clubs have not been uttered in vain.

Better plowing, better modes of planting, and harvesting, and a truer taste in the architecture of the farm buildings, all attest that there is a spirit of inquiry awakened among the people, and that healthful progress will follow.

But none of these were the particular points upon which we intended to remark when we began this article. In looking over some of the premium lists of the present year, an unusual liberality in the sums appropriated to premiums, and a wider range of objects introduced, was noticed, than we remember to have seen before. It led us to notice how systematic and complete are the operations of our county societies, and how their arrangements are calculated to reach everybody, the small farmer, remote from the large towns, as well as the amateur and extensive cultivator.

These attempts by the farmers themselves to "improve the soil and the mind," incites good men to offer still further inducements to progress; so we find in Essex county that the Hon. Richard S. Fay, of Lynn, has generously placed at the disposal of the Trustees of that county the sum of two hundred dollars, for the following purposes, viz. :-

1. For the best and most satisfactory experiment with a mowing machine, operated by twohorse power, on not less than fifty acres, on any farm or farms within the county, \$50,00.

2. For the best and most satisfactory experiment with a one-horse mowing machine, on not less than twenty-five acres, on any farm or farms within the county, \$25,00.

3. For the best mowing machine, \$25,00.

4. For the best and most useful agricultural sess.

The Draining of uplands, has also brought many tracts of cold, springy land, into a warm and friable condition, and capable of producing best do., \$10. Fifth best do., \$10. Sixth best do., \$5. Eighth best do., \$5. Third and friable condition, and capable of producing best do., \$5. Ninth best do., \$5. Tenth best the finest grain and grass crops. But though do., \$5. Eleventh best do., \$5.

Note.—In regard to the operation of moving machines, the competitors will not be restricted to their own farms, but may go from farm to farm. A statement in writing will be required of the working of the machine, any accidents occurring to it while at work, the number of horses employed, and the number of hours in actual operation. All entries of mowing machines must be made with the Secretary, in season for the committee to view them in operation before the day of the Show, and they must be exhibited at the Show that the public may have an opportuuity to examine them.

The Trustees reserve the right of withholding all or any of the above prizes, to be carried forward to another year, at their discretion, and no award will be made for any agricultural implement which is not of the best workmanship, and of such a character as to commend it to the far-

mers of the county.

The Middlesex Society has offered nearly a thousand dollars in premiums, and the Norfolk so much that we cannot spare time to add them up—probably much more than the Middlesex. The State Society has also appropriated most liberally for the purpose of the special improvement of the dairy, as the following will show from the Essex bills.

The following are offered through the liberality of the "Massachusetts Society for the Promotion

of Agriculture."

For the best dairy of cows, not less than six in number, and which shall have been owned by the exhibitor and kept within the county not less than five months previous to the eattle show, \$75,00. For the second best, \$50,00. For the

third best, \$25,00.

Note.—The competitors must exhibit their dairy of six cows, for which they claim a premium, at the show of the present year, and accompany the entry by a statement in writing, of their management on the farm, and their product during the season of trial, with all such particulars as will enable the committee to decide satifactorily not only upon the relative claims of the several competitors, but upon the management and absolute product in weight and profits of each dairy respectively, whether in butter, cheese or milk, through the period of trial, viz., for five months before the show.

THE WHITE BLACKBERRY.

The White Blackberry is a most vigorous grower, often attaining a height of ten feet. It salmon, herring, and others covered with seales is a much more prolific bearer than the common or shells; but gradually they have decreased and variety, or field blackberry, the buds being set on some of them almost disappeared. In both inthe stalks in the immediate vicinity of each other—there being generally not more than the ways and times of their increase; and hereafter distance of two inches between them, and each we shall suffer their loss, or by proper attention bud having two spurs instead of one, as in the and provision must secure their continuance. case with the latter. The berries are of large size, amber colored, and possessing a flavor remarkably rich and sweet. There is no difficulty this done with oysters, lobsters, and other shell whatever attending its cultivation; all that is fish; and just as well it has been and may be essentially requisite being a rich, light, and mod-done with other species. You can seed the wa-

erately warm soil, and a copious and sustained supply of forest leaves and scrapings. A compost formed of these, with a small quantity of gypsum, and frequent hoeings to lighten the soil, and prevent the radiation and growth of weeds, will almost invariably secure success in the cultivation of this valuable fruit. The original cultivator of this fruit in this country, is Mr. J. S. NEEDHAM, of Danvers, Mass., and "Needham's White Blackberry," of which a very good engraving was published some time since in the New England Farmer, is probably the most prolific and valuable variety of the fruit to be found. The White Blackberry and Black Raspberry are both valuable fruits, and should have a place in every fruit and kitchen garden in the land.

FISH.

It is a well known fact that there are some varieties of fish which are able to live and propagate their species both in fresh and salt water. Among them are the smelt, the perch, the salmon and trout; and it is probable that many of our most valuable salt water fish might be transported to our inland ponds, and raised in abundance for marketable purposes. Smelts particularly, thrive well in fresh water, and often grow to a very large size; and it is not impossible that cod, haddock, flounders and even mackerel might, with proper care and training, be made to do as well.—Boston Journal.

The above suggestion in valuable, both to the people of the sea-coast and upon the interior rivers, lakes and ponds. Fishes can be transplanted and transported along the same shores, and from salt to fresh waters, or the opposite. Why then should there be any bay, or stream, or pond, that will not afford food for man? Why should not fishes be domesticated, increased in size, and improved in quality, by bringing them under culture, and furnishing, where it cannot be had otherwise, with proper food! The fowl and the beast have thus been turned to better uses than otherwise they would have had, and the dominion of the sea, as well as of the earth and air, is given to man.

Gradually the fishes of our streams and shores are disappearing. The little brooks and ponds of the country were once alive with them-and the pickerel, the pereh, and the trout were very handy when it did not cost more time to take them than they were worth. So, too, on the sea-shores, we had an abundance of cod-fish, shad, stances we have disturbed and destroyed them;

By changing fishes from one locality to another

can the land. We have an example of this in these minute breathing holes become filled, and the tantog, which is highly prized about Plymouth. They were unknown in Massachusetts Bay till 1790, when a fisherman took a load from Narraganset to Boston to sell; but as they had not been in the market before, nothing could be sary two or three times. William Bethel, of obtained for them, and they were finally loosed Quechee Village, Vt., will find his inquiries from the well of the boat near Charles River answered here. bridge, and have since that time stocked the coast. In the same way any fishes may be transported from one shore to another adapted to their habits; and where they will live in fresh water, from the oceans to the ponds. The rivers a hundred miles in the country might be filled statement here of six reasons,—one of which is with bass, or others that line the running wathus expressed: "There is a seemingly natural, ter; and ponds, like Winnipisseogee for instance, innate repugnance—common to almost every inmight furnish cod, pollock, haddock and macker-dividual-to daily manual labor.' To which the el. It were certainly worth the experiment. It editor appends this remark: "All the result of would be an easy thing for the farmer, if he education." My recollection of the process could run to his little brooks for his dinner, as he through which I passed in learning to endure does to his barn-yard; and so it would be to per daily manual labor, my considerable experience sons on the sea-coast, if they had their live fishes in training boys to habits of continuous industry, where they could always be taken. In the Sand-land my reading and observation, are decidedly in which Islands the natives form fish ponds all along favor of the innate theory. We may naturally the shores, and they are a source of revenue to love play and activity, but it seems to me that the owners. They leave a channel for the fishes we as naturally hate drudgery and steady, hard to enter that would spawn, and then close the mouth so as to retain the big ones and let the scorns to labor. Can it be "the result of educasmall ones go free. Those retained, become by tion" that his "untutored mind," and body too, eare large and fleshy. If, however, fishes could revolve from daily toil with a repugnance too

For the New England Farmer.

LICE ON CATTLE.

If not now, the time is near at hand when vermin will trouble our cattle. The extra keeping of six quarts of oats per day, will not keep the cured at any blacksmith's shop,) put four quarts under the fore feet of every creature, and if the lice are very plenty, sprinkle some on their backs, then apply the card faithfully, and in a few days portance. If we look upon repugnance to daily manual toil as the result of almostics. you will find you have conquered the enemy. Conaan, Vt., 1855.

ters with what they are fitted for, as well as you move about without coming in contact with it;

For the New England Farmer.

MONTHLY FARMER FOR MARCH.

Why is Farming Despised?—A clear-headed not be transplanted from the oceans to the ponds, intense to be overcome by any system of educathey could from our western lakes, and thus the tion, or by any amount of rewards or severity of whole country might be supplied without going abroad.—Newburyport Herald.

Says Bancroft, "are older than the records of human society." But, why was there ever a human society." But, why was there ever a human society. slave in the world, or, if slaves, why the lash and whipping-post, if this repugnance were not innate and common alike to both master and servant! "In the sweat of thy face shalt thou eat bread," was pronounced as a curse, and as a curse it has ever been regarded by the human flesh good when the skin is covered with these destructive insects. I will give my method for the wisest course for us, as submission to the killing the lice, which may be beneficial to the sentence of earthly tribunals is for transgressors and the flesh flowers of the flower readers of the Farmer. Sprinkle your stable of human law, and yet the "sweat of thy face" floor with charcoal dust, (which is easily pro-

These remarks are made in the conviction that manual toil as the result of education, then it may be cured by education; and agricultural colleges may be just the things to inspire that Remarks.—Excellent suggestions, for several love of hard work, to impart that gift of conreasons. The charcoal will not tan the living habits of enduring industry, which shall give to hide, as some people do with ashes and ley, nor the scythe and axe, the hoe and manure-fork, paison the animal as others do with unguentum, even stronger attractions than the yard-stick and poison the animal as others do with unguentum. even stronger attractions than the yard-stick and If the charcoal does not kill the vermin, it will gold-pen now have for our aspiring youth. But prove an excellent absorbent in the manure heap. Let this little fact be remembered and practised upon, and no one need to be troubled with vermin on their cattle or poultry. "Insects do not breathe through their months, but through little holes, called spiracles, generally nine in number, along each side of the body." Now, if the skin love of it shall sweeten our toil. It is a long and hair are oiled or greased, and carefully process, but good Yankee farmers can be manuand hair are oiled or greased, and carefully process, but good Yankee farmers can be manurubbed all over the animal, the insects cannot factured in no other way, either in New England

Farmer. 1. Articles are published unseasonably, is discovered for cutting bushes, for instance,--2. No reviews wanted. 3. Articles are repeated and I have never found any,—let us have faith, in "the same number." In addition to the remarks of the editor in reply to the first objection, marks of the editor in reply to the first objection, marks of the editor in reply to the first objection, next August, and see if that old wall and the I would say that, to my taste, the Monthly Farlower corner of the "mowing" as well as the old mer, something like the Baldwin apple, though "cow-pasture," does not look more tidy. Some good to look at and answering passably well for farms do look as though they had lost all faith in immediate use in the really size for study till. immediate use, is not really ripe for study till the moon! about January, when the index furnishes the means of readily comparing the ideas and practices of different men on particular subjects. But in people away out on those prairies. The very there are all sorts of readers. And the Monthly thought of planting in a soil that will give a Farmer seems designed especially for that plod-good crop without manure, makes the nerv s Famer seems designed especially for that plodding class who read a book or an article over and
over, and still like to know what other people
think of it, before they fully adopt or reject its
teachings, while the Weekly Farmer, more prompt
and seasonable, better meets the demands of those
strong-minded people who study books by their
title-pages, and whose comprehensive minds
grasp the minutest details of elaborate dissertations by a single glance, and with whom an artiand never living you book again. tions by a single glance, and with whom an arti- and never bring you back again. cle once read is read, "and that's the end ont." To such readers all reviews are alike stale and new cuts illustrating plain directions for beginunprofitable, while to another class they are interesting in proportion to the ability with which teresting in proportion to the ability with which they are executed. If this second objection, in-stead of questioning the wisdom of the plan, had this is the state of this grape. The writer stead of questioning the wisdom of the plan, had thinks it has been sufficiently tested to warrant been based upon the incompetency of the writer of the reviews, I should not have answered him a word. But the more experience I have on the subject, the more heartily do I approve of the Concord grape on exhibition, and think highly plan, and the more ardently do I hope the right of its promise, but is it not possible for the fancy man will soon be found for its execution. De-of the enthusiastic to run a little wild on grapes voting more hours to daily toil than fall to the as well as hens? The Northern Spy apple has average lot of laboring men in New England, heen tested much longer than the Concord grape, with few books and no "study" but the family-but can it be said that the "reputation and room, if I had the ability, I lack the time and means for such investigation as is necessary for the accomplishment of a task which was commenced unawares and unintentionally, and which will be gladly relinquished when Mr. Stone will less are as brimful of good sense as of good furnish "something more interesting to those will have been as brimful of good sense as of good furnish "something more interesting to those "less are as brimful of good sense as of good furnish "something more interesting to those "less are as brimful of good sense as of good furnish "something more interesting to those "less are as brimful of good sense as of good furnish "something more interesting to those "less are as brimful of good sense as of good furnish." furnish "something more interesting to those who have read the previous number." The third advice, to avoid the repetition of articles in the same number, has all the force of a cantion against any other class of typographical errors, that printers are probably much more sorry to make than Mr. Stone is to discover.

A short Lecture on Extraragance.—It does seem to me that if our lectures on this subject are short, they ought to be thick. If, under the rigid economy of our fathers, who made their own clothing and most of their implements, their farms "run out," what will become of our soil our law-makers. when it is taxed with the purchase of every thing ready-made and far-brought?

Take care of your Cattle.—Just the right kmd

contentment."

Mortgages on Farms.—Friend Durand and mypeople hereafter will do as they please, or as they can, about following our advice.

"prejudices," I know, but I wish to ask those any thing, as it would be unnatural if they were

or Kanzas, as, I fear, many a soft-handed emi- of the moon, whether it is not better for people grant to the plains of the far west will learn by to have a particular time for particular work, sad experience.

than to have no time at all. I hardly believe the

Training Grapes.—A tip-top article with brau

the assertion that "every one who has a house and garden, may have just such vines to sit under" as he saw in Concord. I have seen the but can it be said that the "reputation and value" of that apple is yet "established?"

"Pruning Fruit Trees again."—If not entirely settled, it is no fault of "W. D. B.," whose artithe great alphabet of which he speaks, and with such teachers as himself and other writers for the Farmer, it must be a dull scholar that makes no progress, for in this number we have articles "About Pear Trees," remarks on producing new varieties from seeds, on the effects of climate and cultivation, on preserving fruit, with reports to the Pomological Convention, from several States.

Legislative Agricultural Meetings.—Full reports of the discussions at four of these meetings of A READER.

Winchester, March, 1855.

Remarks.—The language our correspondent of directions to make them "chew the end of employs, shows how the boy is educated-that is, through "drudgery, and steady, hard work." And therein lies the secret—it is not only drudgery, self have now had our say on this subject, and but steady, hopeless drudgery! And this constraint is imposed upon young and healthy boys Lunar Influences.—It looks wise to talk (f and girls, impatient of long-continued effort in who are now disposed to make a laughing-stock not. No, no! God has not so constituted his in-

telligent creatures as to hate the labor by which making them roost on the rack; I simply drove their bread is to be produced. The well-fed them from all other places, just before dark, and horse and ox enjoy the labor to which they are they soon learned where to go to roost to be let applied and so would the low if he were trught alone.

S. Tenney. applied, and so would the boy if he were taught it as judiciously as is the colt! "Steady drudgery and hard work," for a boy whose limbs are as lithe as an antelopes, and whose mind springs from object to object, as though resting on the wings of a bird! No wonder he has a prejudice against regular employment.

For the New England Farmer.

PROFIT OF HENS.

1853, and ending with November, 1854:

,		
Hens.	Cr	
December, 1853, by	\$ 00 0	0
January, 1854	-00.0	0
February, "	00.0	0
March, "9 doz. ergs. at 15 cents per doz	1.2	5
	1.0	2
April, "1/5	. 22	7
May, "303	3.9	6
June, "24", "13. " "	2.1	.)
June, "2 bbls, manure	2.0	n o
guly, "221 doz. eggs at 14 cents per doz	2.1	5
August, "50", 15	4 5	a
september, "Tra".16. "	0.7	7
October, " 5 5-6" 15. ". "	0.8	7
Movember, " 5 hens killed	0.7	5
" o nens kept	1.0	0
" 2 bbls. manure	20	Õ
Total income	\$28 8	2
Hens.	Dr	
December, 1853, to 2 bushels corn	20.0	
January, 1854	0.0	Λ
February,2	2.0	0
March, "2." "	9.0	^
April. "11 " "	1 5	Λ.
May, "1" "	1.0	Λ
	0.5	Ď.
"1" corn	1.0	0
July,	0.7	5
August, "	1 0	0
September, "1".	1.0	0
October, "11. " "	1 5	0
November, "1. " "	1.5	0
Five hens lost	1 9	
Total cost	\$18.6	2
Income.	-00.0	_
Cost.	-28 8	2
	18 6	2
Net income	\$10 o	_
Inamera	210.7	U.

Income per head...... 0 281 a little raw meat. They were provided with a \$100 per acre. Most of it is in grass, and rack to roost upon, made by boring holes in two yields from two to three tons per acre of fine hay poles, six inches apart, and inserting slats four This land, a few years ago, was not worth \$10 feet long. The rack was laid on poles, about three and a half feet from the boards laid to return the poles. I found no great difficulty in is through draining. The fuel which the owners

West Poland, And. Co., Me., 1855.

For the New England Farmer.

RECLAIMING SWAMP LANDS.

BY DR. JOSEPH REYNOLDS.

This subject is beginning to arrest the attention of New England cultivators. No subject connected with farming can more properly occupy the thoughts of the farmer, who has such land, still unreclaimed, upon his farm. MR. Editor: -I send you the following ac-frequent droughts to which we are subjected, are count of the management of a flock of hens, 36 teaching us to set a higher value upon such lands, in number. They were allowed to roam where than we have hitherto done. Experience is showthey pleased, with the exception of a few weeks ing us that they are the most productive and the in the first part of the winter, when they were confined to a pen 12 x 16 feet, with the privilege of going out doors occasionally. In June, they lands were more liable to disease, than those were confined to the barn most of the time, to grown upon uplands. But I think the experiprevent their depredations on my growing corn, ence of the last two years has shown that pota-Corn was kept by them most of the time. The toes grown upon peat lands, are as little liable to account stands thus, commencing with December, rot, as those grown upon any kind of soil whatever, while the yield was much larger than upon any other soil.

One of my neighbors, the past season, realized a clear profit of ninety dollars an acre from a peat swamp cultivated in potatoes, which three years ago would not have sold for 20 dollars per acre. Now the land is worth a hundred dollars per acre. One of the finest pieces of reclaimed land which I have seen is situated near the centre of Carlisle, on the road from Concord to Lowell. I think it contains not less than 20 acres. A few years ago, it was an unsightly swamp, filled with stumps hassocks and bushes. The water stood upon a large portion of it, most of the year. It was the favorite resort of bullfrogs and tortoises. The bluberries were the only product of any value that it yieided. The only pleasant memory associated with it is the song of the blackbirds that sported and whistled around its margin in the spring time. By skilful and indefatigable labor, it has been converted into one of the most level and beautiful meadows to be found in Massachusetts. It always rivets my attention when I pass by it, and I don't cease to look at it, while any portion of it is in sight. Immense quantities of roots have been extracted from it, which have been used for fuel. Its surface has been smoothed by the bog hoe and the plow. It has been dressed with a compost of barn manure, and gravel mixed together upon its margin. Small portions of it have been reclaimed annually in this way, principally by the labor of the owners, until it has now been The above does not show a great profit, yet it converted from an offensive blotch upon the boshows a fair one. I am convinced that a much som of mother earth, into a spot of beauty, that greater profit might be made by providing a good delights the eye of every beholder. I have been poultry house and yard, and a variety of food, informed that a portion of it cultivated the two Mine had a full supply of lime, and occasionally past years in portion of it cultivated the two a little raw most. The supply of lime, and occasionally past years in post of it is in grows and

now they have a valuable estate which will con-plants. Hence the object aimed at is not attaintinue to yield them large crops, with but little ed. Deep draining, that shall free the whole expense in its cultivation. How could they have soil from stagnant water, is the only draining made a more profitable investment than this? that can be effectual, or that is worth attempt-But they did not invest money. They have ere-ing. In many instances border draining that ated this property by their own labors, and the proper question is, in what way could they have employed their labor more profitably. The effect But enough for once.

J. R. produced upon such lands by draining is truly astonishing. There are several reasons by which the beneficial effects of draining may be accounted for. But we shall speak of only one of these

reasons at present.

Draining elevates the temperature of the soil many degrees, and thereby fits it to yield a vigorous growth to plants, which before refused altogether to grow upon it. When a soil is saturated with water, the most intense heat of the sun can raise its temperature but very little. you place a kettle filled with water over the fire, the temperature of the water will rise rapidly until it reaches 212 degrees. The water then begins to be converted into steam. You may continue to add fuel, and apply the bellows, but the water grows no hotter. All the caloric added is rendered latent in the change of form which the water undergoes. In other words, the calorie is carried off by the steam as fast as it is imwith a certain amount of caloric. Abstract this calorie from steam, and it becomes water again. So the heat of the sun poured upon a wet soil, is employed in converting a portion of the water into vapor, and is conveyed away by the vapor, ten or twelve feet of each other, or even less, and just as the heat of the fire is carried away from will produce fruit abundantly, in the course of the water by the steam. Thus the temperature three or four years. They require a deep, moist. the water by the steam. Thus the temperature of the soil of the swamp filled with water, is several degrees lower than that of the soil of the adjacent dry land, and you cannot by any possibility raise the temperature of this soil until the the growing months. Thomas says: water is evaporated from it. When the water in the kettle is all converted into steam, you may frequently to dwarf pears,) the early treatment heat the kettle to a red heat. So when the swampy soil is freed from water, the heat of the sun will warm it equally with adjacent lands, and indeed its temperature will often be found higher than that of other lands, for its black carbonaceous soil absorbs caloric more rapidly than trunk or stem, with a branching head. To prebrighter colored soils. Thus the first effect of draining is to prepare the soil to be warmed by branches at the bottom, a thorough and regular the sun. It is equivalent to transporting it system of shortening-down must be adopted at many degrees south into a more genial clime. It the outset. The following is a brief outline of is the first step in the redemption of such soils; the course usually pursued. all other means without this will be of no avail. You may level and plow and top-dress, and sow grass seeds. But it will constantly tend to return to its natural state. Meadow grass will be constantly coming in and the herds grass and clover constantly dying out, because the soil is not warm enough to produce any other kind of grass. Many swamps and meadows overlie a stratum of sand, or hard pan. The draining should, if possible, be sufficiently deep, to carry of the water from the whole depth of overlying soil. Whether the water is carried off only to the depth of a few inches and the soil is left wet and

have taken from this swamp, and the potatoes of evaporation is then kept up, to such a degree, which they have grown upon its surface, have that the temperature is not sufficiently elevated paid them for their labor from year to year, and, to afford the needed stimulus to the roots of

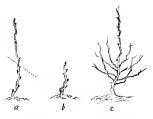
CULTIVATION OF THE PEAR TREE.

In a recent number of the Farmer we gave many minute suggestions about the cultivation of the grape, with such plain outline illustrations as would enable any one, however unskilled in the practice, to proceed with success. We propose now to do the same with the pear, availing ourselves of such help as we find in the books---particularly Thomas's American Fruit Culturist---and of suggestions gathered from conversations with some of the best pear culturists in Massachusetts. But this article will be devoted to dwarf trees; the standard trees being those in which the natural form is developed, and which attain the largest size, and produce the parted to the water. Steam is water combined most fruit with the least care. They are slow of growth, however, and occupy a good deal of space.

> The dwarfs, on the contrary, may stand within three or four years. They require a deep, moist, rich soil, such as would produce good garden vegetables, with frequent cultivation during all

> For pyramids, (a form of training applied most is quite different from that of standards. As the sap tends to the summit of the tree, producing the strongest side-shoots towards the top, and the shortest and most feeble towards the bottom, the natural form of the tree gradually becomes a vent this result, and give a strong broad set of

After the single shoot from the bud has grown



muddy below this, the water is drawn up by calone season, (fig. a.) it is cut down so as to leave pillary attraction to the surface, and the process not over one foot, and if the tree is weak not over six inches, (b.) As a consequence, the buds on this remaining portion, receiving all the sap, make a vigorous growth. The upper one must be converted into a leader, by pinching off early the tips of the others, beginning first with the upper ones, which will be the strongest, and gradually iescending, as the season advances, to the lower ones, which should be left the longest in order to give them the most strength, (fig. c.) Six inches of naked stem below the branches should be left, by rubbing off all shoots below; and if in a reion liable to deep snows, this space should be a oot, to prevent splitting off the limbs by the weight of the snow, and for which object the tree hould not be cut down lower than eighteen nches at the close of the first season. The oruning after the second year's growth, consists n cutting down again the leader for a second rop of side shoots; and these side shoots, and he new leader, are to be treated precisely as hose below were treated the year before. At he same time, the last year's side shoots, on the ower part, are to be cut back. (the longest at the ottom, so as to give a pyramidal form,) in order insure the growth of the buds upon them.

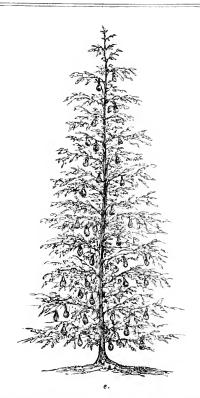


The new side shoots thus caused, are to be pinched off so as to convert them into fruit spurs, except one shoot left on each as a leader, and another, if needed, to fill up the space made by the widening limbs. The pyramid may now be said to have been fairly formed; and it is only reure d. represents a four the side of a building. year pyramid three times pruned, each section being shown at the figures 1, 2, 3,

nd the cross lines indicating the place for the urth pruning. Fig. e. represents a perfectly uned pyramid in bearing.

After the tree has attained sufficient size, its rther extension is prevented by pruning back e shoots. If the fruit spurs become too nuerous, a part of them are to be pruned closely t, so as to give an even and not crowded crop. hen spurs become too old, they may be mostly moved for new ones to spring from their bases. Some varieties of the pear throw out side oots spontaneously the first year. Such trees ly be treated in a manner not unlike the ornary two-year pyramid. On the contrary, such rts as have small or flat buds, may need a more sere cutting back than others, in order to ouse the buds into action and induce them to eak into shoots.

Throughout the whole process of pruning and tining pyramids, as well as every other tree. e frequent error of allowing the shoots and nnches to become too thick and to crowd each ner, should be carefully avoided. The size and auty of the fruit, and its perfection in richness d flavor, where there is plenty of room for the I, vigorous, and healthy development of the AVES which supply all the material for the growfruit, will repay well the labor required for s excellent result.



Horizontal training is effected by carrying out quisite to continue and branches to the right and left of the main stem, prolong the same process and is sometimes exceedingly beautiful and confor successive years. Fig-venient on the borders of walks, on a fence or

All persons intending to cultivate the pear, even if on a limited scale, will be well paid for the trouble by visiting the gardens of those who have had experience, and looking at the forms of the trees and learning the modes of management by others. As much may be gained by observation, perhaps more, than in any other way.

Below we give a list selected by Col. WILDER, and another by Mr. Jaques, of Worcester, both distinguished for their success in pear culture.

Col. Wilder's Liet. PEARS.

For three varieties: Bartlett, Vicar of Winkfield, Beurre d'Aremberg. For six varieties, add, Bloodgood, Louise Bonne de Jersey, Golden Beurre of Bilboa. For twelve varieties, add, Andrews, Belle Lucrative, Seckle, Flemish Beauty, Glout Morceau.

George Jaques' List.

	PEARS ON QUINC	E.
	NAME.	TIME OF EIPENING.
1.	Beurre d'Amalis	September.
	Louise Boune de Jersey	
	Urbaniste	
	Duchesso d'Angenlano	

PEARS ON PEAR ROOTS.

...Aug. and Sept. 2. Bartlett.....September, (carly.)

3.	Flemish	Beauty		 Sep	tember, (late.)
					October.
					Oct. and Nov.
ο.	- Beurre (I Aremb	erg	 	Dec. and Jan.

Extending the list, I would add,

7.	Madeleine	August
8.	Andrews	September.
9.	Belle Lucrative	September.
10.	Louise Bonne de Jersey	Scut, and Oct.
11.	Urbaniste	Oct. and Nov.
	Winter Nelis	

We observe that in the above lists the old St. Michael is omitted. When in perfection, this pear is scarcely excelled by any that grows; or, at any rate, by only three or four varieties. well in many localities. In setting even one dozen of trees, we should certainly include the St. Michael,—known also as the White Doyenne, Virgalieu, Butter Pear, &c.

TENTH LEGISLATIVE AGRICULTU-RAL MEETING.

Reported for the New England Farmer, BY WILLIAM W. HILL.

Number ten in the course of Agricultural meetings took place at the State House on Tuesday evening, 20th inst.

ber of the Governor's Council, presided.

The subject for consideration, was—The Cultivation of Fruit and Forest Trees.

Mr. Nelson, on taking the chair, made some eloquent remarks upon the general subject of his professional labors, and cultivating a farm his own broad acres, -and following that occupation which he believed more completely than time has come when the dignity, beauty and imand the farmer is no longer ashamed of his callmind to the great object of success, studying agricultural works and reading agricultural newspapers, with the same application that the tradaily paper, and informing himself of the wants islature. of commerce and the laws which govern it—the farmer would reap large rewards more surely ture, made some interesting statements in regard than the merchant. Mr. Nelson concluded by to the extent to which forest trees are cultivated calling for remarks from

ed to relate his experience and observation in the commenced as an experiment, and now it is esti-

eultivation of forest trees, in which he had been interested for a few years. The cultivation of forest trees, he said, required as much knowledge and skill as that of fruit trees. In the first place, we should know how and when to save, and when to sow the seed of our forest trees, and should understand what trees are best adapted to our soils. Ornamental trees often fail from a want of knowledge on this latter point. Generally, if a man fancies a particular kind of tree, he transplants it to his grounds, without any regard to the adaptation of the soil to its growth. late years, we are told that it has succeeded quite In the matter of sowing trees we must follow nature as closely as possible, and get the seeds when they are in the right state to sow. We know that the chestnut, oak, &c., are ripe in the autumn, when the frosts bring their fruit to the ground; the pitch pine ripens any time during the winter; the white pine in August; the yellow and black birch in July; the elm and maple in June; and the sugar maple in August and the first of September. A great cause of failure, is want of knowledge in saving the seed, and also in covering them too deep, or planting them where they will be exposed to a burn-Hon. Albert H. Nelson, of Woburn, a mem-ing sun. Nearly all trees will fail to come up if planted in such situations, and should be put where they will be shaded. Maples and birches, however, being hardy, vigorous trees, will come up and grow anywhere. It would be a good plan to sow white birch (which ripens in Noagriculture, and alluded to the fond hope which vember and December) with white pine, as the he cherished, of at some time breaking away from latter is apt to come up too thick. By so doing, the pines will grow up more slender and make much better timber. Forcible reference was made to the Yankee propensity to destroy trees. any other promoted the best interests of the We clear land which is good for nothing, burn it community. He was happy to believe that the over, and leave it a waste. There is great difference in setting out trees. It is almost imposportance of agriculture are perfectly understood, sible to make oaks and pines live—whereas maples do very well. The river or silver maple is ing. Yet there lingers the idea that farming is a superior variety, which is almost always found not so remunerating as many other pursuits in with its roots in water. Four years ago the life. It was his earnest conviction, however, speaker took up some in a half bushel basket, that if the farmer would devote the same amount and planted them, and now they are twelve feet of mental and physical labor to his calling that high and three inches through at the butt. They the merchant does to his—if he would work as will grow well on good uplands. Pitch pines may many hours, and direct all the energies of his be sowed, but white pines may be transplanted if a good sod is taken up with them. The speaker concluded by recommending Emerson's work on trees as the best within his knowledge. It der bestows upon the financial articles in his was published by order of the Massachusetts Leg-

Mr. Flint, Secretary of the Board of Agriculin this State. In Barnstable county, twenty Mr. Cutter, of Pelham, N. II., who proceed-|years ago, the cultivation of the pitch pine was the trees would increase the profits.

said his experience in cultivating forest trees only covered a period of ten years, yet he had tried farm. almost all sorts of trees, and had in particular

mated that there are fifteen hundred acres cov-sand to the acre are wanted, and after they come ered with a growth of these trees. In Plymouth up they should be thinned out. If a plant fails, county, also, considerable attention has been be-or is of poor growth, by cutting down to the surstowed upon growing trees, and forests of oak and face of the earth, new shoots will spring up locust have been successfully planted. If the ex-thriftily, and in this way just such a tree as is periment has proved successful in the sandy soils desired may be obtained. As to the varieties of of these counties, there can be no question that oak, of course white oak is the best, although it trees might be cultivated elsewhere with profit, is slow of growth. Yet there are other kinds almost and to the great benefit of the community. The as good, particularly chestnut oak, which is seed of the pines is easily obtained. The burrs beautiful in foliage and form, perfectly hardy, are gathered in the fall and dried, either gradu-land will grow on soil where the white oak cannot ally or by heating them, and the seed rattles out. flourish. Another excellent variety is the pin It sells in Barnstable for \$1,00 per quart, and a oak, which is a rapid grower. The English oak, quart is sufficient for one acre. When our fore-lalso, grows faster than ours, and will adapt itself fathers landed at Provincetown, on Cape Cod, to almost any kind of soil. English oaks imwhich is now but a barren sand heap, the prom-ported by the speaker eight years ago, now proontory was covered with a dense forest and the duce a bushel of acorns, and are four feet in cirsoil was a spade deep; but on cutting off the cumference. They grow as rapidly as the wiltrees the winds had a clean sweep, and blew the low. Another valuable species is the ash, which sands completely over the whole surface, thus will grow as well as the oak. The Scotch larch, converting it into a barren waste. In some parts too, is a superior tree, particularly for posts. of the Cape cedars have been tried to some ex- They can be imported a foot-and-a-half high tent, and they are now multiplying rapidly, for \$7 or \$8 per thousand. They will grow upon Mr. Fliut read an interesting letter from J. W. any barren soil, and the wood is almost indestruc-PROCTOR, Esq., of Danvers, in relation to the tible—far better than cedar. Some set out eight cultivation of trees, in which the remark was years ago are now thirty feet high. If it is promade that there could be obtained from an acre posed to grow oaks, take land which is of no valof rock maple trees as much value in sugar, and ue for any other purpose, planting 3000 to the that without injuring the trees, as could be ob-acre, as many will not come up, and thin out so tained from an aere of corn, while the wood of as to leave only four or five hundred trees-and at the end of forty years ten acres treated in this Mr. FAY, of Lynn, was the next speaker. He way would yield a sum which would hardly be credited-they would be worth all the rest of the

Lieut. Gov. Brown said he had had no practiexperimented with oaks, of which he now has eal experience in regard to the cultivation of forsixteen or seventeen varieties on his place at est trees, but he had noticed throughout New Eng-Lynn. We have a vast deal of waste land, which land a prevailing desire to cut down and extermiis too rough for the plow, and too rocky and ster- nate forest trees. People enter a piece of land and le for grazing, which is capable of producing make a clearing, cutting down all the beautiful all kinds of indigenous oaks, and the only quest maples, oaks, &c., and burning them, and then the tion is, how to get this land back to forest again, very next thing go and plant trees for ornamental Nine years ago he planted with acorns a good purposes! Their passion to destroy does not piece of land, once covered with oaks; they came stop till they find perfect desolation all around up, and the first year grew seven or eight inches, and them, and then they go to the swamps and pick that is their height now. It seems as if they were out a few poor varieties for shade trees. If we waiting for some course of nature with the soil, go on as we have done here in Massachusetts, exto get an impulse to grow. At the same time terminating our forests, before many years there these were planted, he sowed some in a seed bed, will be a great scarcity of indigenous trees, and covering them a couple of inches, took them up the capabilities of the soil will quite likely be the next spring and cut off the tap-root, and then very seriously affected. It is doubtful, if the planted them in rows a foot apart, there being trees were all cut off, whether we could raise a six inches of space between the plants, and after crop of corn. Trees are great condensers of moisetting them grow for a year or two, until they ture, absorb much nutriment from the air, and were two or three feet high, he transplanted some drop their leaves; and in other ways tend to benof them to the same piece of land where the oth- efit the soil. A greater crop of grass can be got ers were planted, and they are now ten feet in from a field where there are ten or twenty apple beight. Care should be taken to keep cattle from trees to the acre, and one or two hundred the plants. In planting acorns, about three thou-bushels of apples will be obtained beside. Mr.

was that when the tree was done with the lower terior is divided by partitions into two or three limbs, they would die and fall off. But he knew chambers, one over the other. These are proof a forest of white pines in New Hampshire foundly dark until lit up with fire-flies caught which the owner had entered and trimmed, and he believed that it grew faster than any other —From "The World a Workshop." within his knowledge.

Mr. FAY, of Lynn, said there was much difference of opinion about pruning forest trees. If oaks are stunted they should be cut off down to the ground, but after they are twenty feet high, the pruning should be done in a regular series, taking off the lower branches each year. The best time is in the summer, when the sap has ascended, as healing takes place when the sap deseends, so that if cut in July the wounds almost immediately heal over. A great mistake is made in going into a forest with an axe. The trimming should be done very gradually after trees get twenty or thirty feet high, or their growth will be checked.

Mr. Cutter, of New Hampshire, said that he had noticed that where large limbs had been cut off it injured the timber. If white pines are trimmed when small, the wound heals over and they make good timber. An axe should not be applied in trimming a tree, as it invariably injures it. The great error in pruning is in doing too much at a time. If green limbs are to be trimmed it should be done in December, when the tree is frozen; April is the worst time in the year to ly and August.

Rev. Mr. Trask, of Fitchburg, followed in some appropriate remarks upon the æsthetic branch of the subject of cultivating trees.

Messrs. Brigham, of Worcester, and Buckmin-STER of the Ploughman, made some excellent remarks upon the general subject.

Mr. Sheldon, of Wilmington, spoke practically on the matter, particularly in regard to fruit trees, and would have any one who designed to raise an orehard, take twelve trees, and trim decide practically the proper time for pruning

On motion of Mr. Flint, the subject of Fruit journed.

Brown said he would like to hear something in and suspend them as chandeliers for their dwelregard to pruning forest trees. He had always understood that it would not answer to trim forest trees, particularly evergreens. The argument the entrance at the orifice of the neck. The in-

LET US TRY TO BE HAPPY.

Let us try to be happy! we may if we will Find some pleasures in life to o'erbalance the ill; There was never an evil, if well understood, But what, rightly managed, would turn to a good. If we were but as ready to look to the light As we are to set moping because it is kight, We should own it a trnth, both in word and in deed, That who tries to be happy is sure to succeed.

Let us try to be happy! some shades of regret Are sure to hang round, which we cannot forget; There are times when the lightest of spirits must bow And the sunniest face wear a cloud on its brow; We must never bid feelings, the purest and best, To lie blinnted and cold in our bosoms at rest; But the deeper our own griefs, the greater our need To try to be happy, lest other hearts bleed.

Oh! try to be happy! it is not for long

We shall cheer on each other by counsel or song; If we make the best use of our time that we may, There is much we can do to enliven the way. Let us only in earnestness each do our best-Before God and our conscience, and trust for the rest : Still taking this truth, both in word and in deed, That who tries to be happy is sure to succeed.

GRAFTED CHESTNUT TREES.

The Cincinnati Gazette publishes an interesting trim. The dead limbs should be taken off in Ju-letter from Mr. Sheldon I. Kellogg, to the Wine growers' Association, dated Bordeaux, France, on the cultivation of the chestnut. He says:

"I have been much surprised in seeing the great dependence the poorer classes make upon the large chestnut for their daily food. It is cultivated in this neighborhood in great abundance for this purpose. All classes use them more or less; the rich having them daily brought upon their tables as dessert, either boiled or roasted. It is often made into a soup, which is highly esteemed. They are cooked in a multitude of ways, and I know of nothing of a farinaceous nature which is so very delicate and nourishing.

"The marron, or large chestnut, is the produce one of them each month in the year-and thus of the wild chestnut after being engrafted. The wild tree, at three or four years of age, is cut square off, say four or five feet from the ground. The stump is then split twice. These splits intersect at right angles at the centre of the stump. Trees was continued to the next meeting. Ad-There is then inserted one good-sized branch of the same tree in every section of the splits, Fire-1 Lies.—In tropical climes, various lumialways taken to make the bark of the branches nous insects are attached to female head-dresses, and the bark of the stump join each other as They are also used as lamps. I have read fine closely as possible. The graft is then surrounded print in a dark room by the light of two small with clay and moss, to prevent the overflow of Long Island fire-flies in a tumbler. But man the sap, and it scarcely ever fails of success. The was not the first to rob these living gems of their period selected in this climate for this operation liberty and radiance. There are birds that seize is the month of February. The produce of this e much more delicate in texture and flavor than r own wild chestnut. They are never eaten thout being cooked. The tree is very beau-

EXTRACTS AND REPLIES.

GARDEN VEGETABLES.

Mr. Brown:—You will greatly oblige a connt reader of the Farmer, and a tyro in agriculral matters, if you will answer the following

estions.

I have six acres of land, and intend making it narket garden. I wish a select list of the carst and best varieties of vegetables, as follows:-Best early peas for market; early cabbage; e cabbage; carly cucumber; carly sugar corn;

ly potatoes; early squash.
Can the "Valparaiso squash" seed be obtained Boston?

Can the "top onions" be obtained in Boston? At what seed store can I best obtain a supply

the above seeds together with others?

Saco, Me., 1855. J. R.

Remarks.—For peas take the early Kent—cabes, early York—late cabbage, the Drumhead cucumbers, the "frame" - sugar corn, eightved sweet-potatoes, early white blue-nose-for ashes, early summer erook-neck. We cannot you where the Valparaiso squash seed is to be nd—but it isn't worth raising. The "top ons," and all the other seeds you desire, may be nd at Ruggles, Nourse, Mason & Co.'s seed e, at Quiney Hall, and probably at the other l stores in Boston.

BOKS FOR FARMERS.

IMON Brown, Esq. :- Dear Sir,-I have a deto study the science of agriculture, and rest you to furnish, a small list of the very best nary works for me to commence with-say to extent of from \$10 to \$25.

everal of my country friends wish a plain k on agricultural chemistry, and have spoken Chaptal and also of Johnston. Please name best works on that special subject. I am ing to devote my leisure hours for three or years to a preparation for farming. I wish inderstand the theory and the practice of true culture. B. D. Holcomb.

estern Christian Advocate office, Cincinnati, Feb., 1855.

ondent. The book which we shall first re-ı in a scientific and practical manner, of near-Il the topics coming under the farmer's care. n Elements of Agricultural Chemistry and Ge-Muck Book, by D. J. Browne; Harris' Insects of the wood at the wounds."

aft is usually a fine, large, beautifully colored Injurious to Vegetation; Youatt and Martin on arron, about the size of our buckeyes. They Cattle, by Stevens; and Farm Implements, by J. J. Thomas.

> Begin with these, and as opportunity offers read Loudon's works—especially his Arboretum which are a library in themselves, Downing's, Stephens', Lindsley, Sinclair's Code, &c. &c. We can boast now of an elegant agricultural literature, and you will find pleasure in perusing these works, as well as profit.

SUDDEN DEATH OF A COW.

Mr. Brown:—I had a fine cow, eight years old, tough and hearty, who was apparently well at nine o'clock at night, and in the morning dead. She lay in her usual position, as though there had been no struggle. On an examination the stomach appeared blistered and highly inflamed, and the blistered part slipt off. There were no other symptoms to describe. Can you or Doct. Dand throw any light on this case? Bethel, Vt., 1855.

A Young Farmer. Remarks.-We cannot enlighten you. Will

Dr. Dadd?

WHAT PEARS SHALL I SET?

If you could give us in the Farmer a list of pears hardy enough for this locality, you would do us a great kindness. I have tried the Bartlett, and several other kinds, but they are not hardy enough; they grow well in the snmmer, but the next spring every twig that stood above the snow is dead. John H. Currier.

McIndoes Falls, Vt.

Remarks. - The English Jargonelle, Dunmore, Louise Bonne de Jersey, Urbaniste, Seekel, Buerre Diel, Vicar of Winkfield, Winter Nelis and St. Michael, are hardy varieties. These should be on the quince, except the Jargonelle, Dunmore and Seekel, which are best on the pear stock. The Bartlett is a noble pear, and will do well, we think, if grafted on a hardy pear tree.

For the New England Farmer.

PATH-BREAKER.

Mr. Editor:—In these days of snow, take two widths of plank (hard wood is the best) 18 inches wide, shape in the form of a harrow (triangle) with an iron to hook the chain-board over the top, to pile on the boys, and with one EMARKS.—We reply with pleasure to our cor- yoke of oxen, you break your own paths and can do much for the village s who do not pay particu-

Brooklyn, New York, Feb. 26, 1855.

Pruning.—Thomas says—"The season for pruny, by James F. W. Johnston; Davy's Agri-ing old orchards is late in autumn, or in winter, ural Chemistry; Farmer's Companion, by Bnoor at mid-summe; but not in spring, when the Downing's Fruits and Fruit Trees; Americal flow of sap is apt to injure and cause the decay For the New England Farmer.

A CHINA PEACH.

of 1853, some account of a China peach, raised

country from such a source.

There are in the grounds adjoining my own about it, is worthy of entire confidence. some peach trees, imported from Shanghai, in China, several years since. They were rooted in sensitive, as to the use of the term native, when tubs, and the owner of the vessel for whom the applied to animals, as do many other gentlemen captain obtained them, sent them to his natural of distinguished intelligence. I presume it is not home in this town. The original trees have not in my power to enlighten him on this topic. A proved good bearers. But other trees budded gentleman, so entirely conversant with the best from them have yielded very good crops. One of farms in the best county of the commonwealth, my neighbors has had trees in bearing (budded nine-tenths of the stock on which are natives, and from these) for four or five years. Talso have nothing different from natives, if he does not know some, which bore last fall for the second time. what is meant by the term native, I would not It is a very large peach, above the usual size, but presume to instruct him. My idea of the mean-by no means so large as to prove the truth of the ing of the term, is the same as that of the great dictum of the captain who imported them, who mass of the yeomanry of the commonwealth. I said that he had seen them in China as large as have no patience with gentlemen when they unhis head. The skin and flesh is pale; and, with-dertake to mystify this matter. There is an affecout being at all deficient in juice, it is a very tation of learning in so doing, which is not to meaty peach, the flesh seeming to have more be commended. substance than is usual. I consider it a superior are others I should prefer if mature at the same and accurately stated management of his dairy; time. This, ripening just as the best peaches are and am glad to know that his success was mainly leaving us, becomes a superior variety at that to be attributed to the skill and fidelity of his time. If you would like, I would be happy to excellent wife. I was quite sure that no bachelsend you a specimen next season. The leaves are subject to the mildew; the fruit has unequal sides, forming a marked ridge around it.

Yours, &c., LEWIS S. HOPKINS.

Northampton, Feb. 15, 1855.

Remarks.—We should be gratified with a sight and taste of this peach.

For the New England Farmer.

ABOUT DAIRY COWS.

Friend Brown:—I am most happy to notice by your paper of this morning, (March 10th,) that the rappings of the spirit of the "old Oaks fore his hand was lame, he certainly writes without any perceptible impediment.

Yankee, neither more or less.

The gentleman from W. charges me with being unfair. I certainly did not intend to be unfair either towards himself or his stock. He would represent his pastures as being of an inferior order. I had no suspicion of this. I supposed they length-breadth and height of the hay into each shortened by the extraordinary dryness of the sea- other, and if the hay is somewhat settled, ten son, as were all pastures that came within my ob- solid yards will weigh a ton. Clover will take servation.

The gentleman refers to the four hornless, illlooking cows, that average one and a half pounds of butter each, for a period of forty days from I noticed in some numbers of the Horticulturist, June 1st to July 10th, for which the 1st premium of the Essex Society was awarded. Mr. John in one of our southern States. It was spoken of Stowe, Jr., of Marblehead, was then the owner of as probably or undoubtedly the only tree in this these cows; he can tell all about the quality and weight of their butter, and whatever he may say

The gentleman from W. appears to be quite

I repeat, sir, that I feel under great obligapeach, much above a medium quality; yet there tions to the gentleman from W., for his careful or could ever have carned or merited such a premium, as he obtained, and I am equally well pleased to know that our own New England breed of cows (by whatever name they may be called) with the same care and the same feed, are as good (to say the least) as any others.

Essex.

For the New England Farmer.

QUINCES FOR PICKLES.

Sir:—I noticed in one of the late numbers of the Farmer, that you say that quinces are used only as a preserve. It is, perhaps, unknown to your readers that they make a very agreeable pickle, if boiled in vinegar, with brown sugar, to cow" have not in the least impaired the wits of which are added cloves, cinnamon, &c. Even the gentleman from Worcester, and although he when they have been unluckily hard frozen, they may not be able to milk as freely as he could be- will answer for this purpose---only less sugar will be then required. They are quartered and pared and the cores cut out. Ten pounds of fruit are If the gentleman had charged me with partial-boiled, to which add five pounds of sugar and ity, instead of prejudice, I should at once have from three to five pints of vinegar, one ounce of owned up-for I must confess, other things being whole cinnamon, and half an ounce of whole equal, I do like our own, better than I do foreign cloves, and boil down, place in a jar and pour the breeds—whatever description of animals they may be. I am in spirit a native American—though baked like an apple, is a favorite, adding syrup not in the modern use of the term, professed by or molasses and water to the dish in which they such. I detest secresy and double-shuffle, wher- are baked. Those fond of a tart baked apple, ever it may be found. In truth, I am a plain will probably be pleased with the baked quince, and much prefer it. Yours, &c..

LEWIS S. HOPKINS.

Northampton, Feb. 15, 1855.

MEASUREMENT OF HAY IN BULK.—Multiply the leleven to twelve yards to a ton.

For the New England Farmer.

INTERESTING EXPERIMENT WITH PEAR SEEDLINGS.

last spring, I tried in mid-summer the experiment ing them, we can determine at a glance the year of cutting the tap root of all of them a few inches when the creature came into the world. Up to below the ground, to make them throw out the time of its maturity, the shoots are regular lateral roots, having heard that it was very diffi- and successive; but after that time they become cult in our country to raise pear seedlings, be-|irregular, and are piled one above the other, so or two after the operation, the sun came out unmolested, of attaining a patriarchal longevity. clear and warm. I may have watered them once or twice subsequently, at evening. In two or three days the leaves began to look like leafblight; first the edges, or the edge on one side was discolored, and finally on some all the leaves became entirely black; on others, some leaves er for your truly valuable paper, and on the first were entirely destroyed, while some were but side I find much to interest, and learn. In a late twelve or fifteen of these seedlings, but about say "the wheel hoe will save one-half the labor of one-half survived. I had cut off the main source cultivation." Now I have raised from a quarter of the supply of moisture from the ground, and to a half an aere, yearly, for a few years, with the leaves appeared to have the leaf-blight. Was the affection of the leaves a consequence of the bor to weed them, I almost resolved last welenged to the consequence of the bor to weed them, I almost resolved last welenged. if so, is a cessation or essential diminution of a I can find an implement that will save one-half supply of moisture to the roots, the cause of leaf-blight to the pear tree? If I remember rightly, again. I wish to inquire of you through the it is almost or entirely unknown in the moist columns of the Farmer, how much does the climate of England. But if drought at the roots "wheel hoe" cost? Where can it be obtained? leaf-blight more than usually prevalent in such a not many of my brother farmers. summer of uncommon drought as oar last. Was it more prevalent last summer than usual! I had no more of it than usual. And are pear trees, with a moist subsoil, less afflicted with the leaf-blight? Yours, &c.,

LEWIS S. HOPKINS. Northampton, Feb. 15, 1855.

Remarks.---(a.) Pear seedlings are difficult to raise, seldom doing well except upon a soil peculiarly adapted to them. They are found to succeed best on a strong, rich soil, containing swering the following queries through the colperoxide of iron, and which is moist, but not too umns of the Farmer.

To promote the formation of lateral roots, transplant from the seed bed when two or three inches high, and cut off the end of the tap root with a sharp pair of scissors. They should be sun in summer, and should be protected from the tion of a dozen trees! attacks of the cut-worm in the seed bed; the best remedy I have found to be tobacco waste, Beurre of Aremberg, and Vicar of Winkfield strewed thickly over the surface of the ground. pears, and I propose to procure the Lawrence, Ashes and bone dust are the best manures. A Owen, Rostiezer and Seekel. partly shaded place is better than the full sun.

tell the age of his flock to a nicety. The age of and of good quality. an oyster is not to be found by looking into its! The soil is a rather compact loam, with "hard

body who has handled an oyster shell, must have observed that it seemed as if composed of successive layers or plates overlapping each other. These are technically termed "shoots," and each Having some pear trees which started from seed of them marks a year's growth; so that by countcause of their being thrown from the ground by that the shell becomes more and more thickened the frost, and that this was attributable to the and bulky. Judging from the great thickness want of lateral roots. I took a rainy morning to which some oyster shells have attained, this for my division of the tap root, but, in an hour molluse is capable, if left to its natural changes

For the New England Farmer.

THE WHEEL HOE.

Mr. Editor:—I have lately become a subscribpartially affected, or escaped entirely. Out of number, in your remarks on Raising Carrots, you division of the root! (a.) It would look so, and time to quit them and try something else, but if and a rapid exhalation from the leaves under our How does it operate, &c., by answering the above hot sun is the cause, then we would find the questions you will greatly oblige me, and I doubt

Caledonia Co., Vt., Feb. 27, 1855.

Remarks.—The wheel-hoe costs from \$1,50 to \$2,00, and may be found at Ruggles & Co.'s. We shall republish a cut of this hoe as soon as we can get a correct sketch engraved.

For the New England Farmer.

ABOUT CHERRIES AND PEARS.

Mr. Editor: You will confer a favor by an-

1. I have now the May Duke, Black Tartarean, Downer's and Honey Heart cherries, and wishing to add to the number of my trees, would it be advisable to get any other varieties, and if so, what varieties?

2. Has the Early Purple Guigne sufficient mulched, to protect them from the action of the good qualities to entitle it to a place in a collec-

> 3. I have the Madeleine, Farly Catharine, Fulton, Bartlett, Jackson, Golden Beurre of Bilboa,

What alterations or additions would you advise me to make to this list, and particularly, is there any variety ripening at the time of the Age or Oysters.—A London oyster-man can Early Catharine, which produces abundant crops

mouth. It bears its years upon its back. Every- pan' at an average depth of about two feet, with

a moderate descent to the north; it has, however, always borne good crops of pears.

4. What amount of fruit will a well-grown pear tree produce as compared to an apple tree in similar circumstances!

5. Is there any very late keeping apple which comes so near to the Baldwin in productiveness as to make it profitable for extensive culture? Ashfield, 1855. M. F. Bassett.

varieties named we would recommend the Napolcon Bigarreau and Black Eagle—the last we consider indispensable; the Early Purple Guigne is a good early cherry, and of course apt to be taken by the birds.

list of pears, the English Jargonelle, Beurre Diel, Glout Morceau and Winter Nelis.

4. The pear will not compare with the apple for bearing.

5. We consider the Hunt Russett to be the best late keeping apple. It is prolific, excellent, and fry. and may be kept through the year under favorable circumstances.

SPRING WORK.

transplanting; do not delay it until the trees are swollen, for to remove a tree then, gives it a shock which it will scarcely recover from through the season. Be generous with the spade—loosen and pulverize the earth over a liberal breadth, time of each. Add the salt. Beat the whole working in a little well decomposed compost. shock which it will scarcely recover from through Transplant early in April, if the ground is suit-

one acre thoroughly plowed, 10 inches deep and a fresh supply is wanted. Pull them open with well manured, than to skim over two acres of your fingers, and eat them with butter, to which old fields indifferently. A bushel and a half of you may add molasses or honey.—Farm Journal. good seed on the best land will be sufficient, while on the poor, two bushels will be required.

peach crop. In 1834, at Windham, Conn., one morning, on the high hills, the thermometer indicated 18 deg. below, while on the plains and valleys it was 22; yet there were plenty of peaches the following season on the hills, and none in the plains and valleys. A year or two after, the temperature, one windy night, was exactly teversed. The next year there was not a peach on the hills, but a full crop in the valleys; the tree buds were not injured. Who will inform the public where the exact frost-line of the peach is? Another question to the curious is, at what temperature the peach-tree is killed by frost?

called to the article by Dr. REYNOLDS, on Reclaiming Swamp Lands.

LADIES' DEPARTMENT.

DOMESTIC RECIPES.

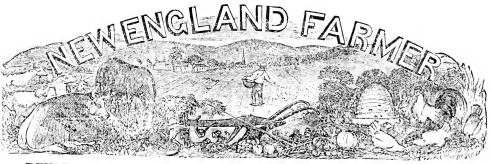
Best Bread.—The best bread is that made of unbolted wheat flour. In some cases a small portion of white bread may be desirable, but the brown, after a short time, will be found more palatable, and conducive to a more regular and healthy condition of the system. It has been as-Remarks.—1 and 2. In addition to the four certained that even dogs cannot live over fifty days fed upon fine flour bread and water; when fed upon such as contained the whole or a large portion of the bran, they are found in no respect to suffer .- Water-Cure Journal.

TO MAKE FINE PANCAKES FRIED WITHOUT BUTTER or LARD .- Take a pint of cream, and six new-3. We should recommend as additions to the laid eggs; beat them well together; put in a quarter of a pound of sugar, and one nutmeg, or a little beaten mace-which you please, and so much flour as will thicken-almost as much as an ordinary pancake flour batter; your pan must be heated reasonably hot, and wiped with a clean cloth; this done, spread your batter thin over it,

Indian Muffins.—A pint and a half of yellow Indian meal sifted. A handful of wheat flour. A quarter of a pound of fresh butter. A quart of milk. Four eggs. A very small tea-spoonful of milk. Put the milk into a saucepan. Trees.—Make all necessary preparations for butter into it. Set it over the fire and warm it until the butter is very soft, but not until it melts. Then take it off, stir it well till all is mixed, and set it away to cool. Beat four eggs muffin-rings on the inside. Set them in a hot oven, or on a heated griddle; pour some of the batter into each; and bake the muffins well. Spring Rye.-More profit may be realized from Send them hot to table, continuing to bake while

Mode of Making Yeast.—The following mode, which was found very convenient in practice, was stated to us by a notable house-wife. One The Peach Crop.—The temperature falls in Connecticut and Massachusetts to 12 and 15 deg. below zero every few years, without injuring the peach crop. In 1834, at Windham, Conn., one mixture will be like batter. Half a tea-cup of morning, on the high hills, the thermometer in

The particular attention of the reader is do your best to entertain them, but make no apology or comment; it sounds to your guest like a reproach for taking you unawares.



BOSTON, MAY, 1855.

EL NOURSE, PROPRIETOR OFFICE QUINCY HALL.

SIMON BROWN, EDITOR

HENRY F. FRENCH, 3

CALENDAR FOR MAY.

"The blossomed Orchard and the Vine Have too their charms for me; The sweet Briar, and the Eglantine, Again I joy to see.

These are the beauties of the Spring;
And while it doth remain, Let all the graces dance and sing, Till Winter come again."



AY-of all the months ture, animate and inanimate; on the trees

whose forms have long appeared lifeless, the sap starts, buds and blossoms expand, and flowers spread their delicate petals to the softly-kissing winds of the south; the earth is rapidly verdure-covered, animals gambol, birds sing and insects hum about, intent on the purposes of their busy little life. There is reanimation in all things; the air is soft and grateful, the springing grass looks cheerful and the brooks appear glad as they skip along. Man and the lower world are sympathetic,-a grand symphony of harmonious feeling pervades all things.

Is it a wonder, then, that May is extolled? The sick praise it because its breath is soft and bears upon it the perfume of the Heart's-ease, Crown-imperial, Lily of the Valley and Appleblossoms; the lovers eulogize it because every thing is so gladsome about them and in unison with themselves! The Farmer utters his daily heart-felt panegyric for southern breezes, genial suns and fructifying rains; for springing corn, and grass and grain. Then

Hail, bounteous May! that dost inspire Mirth and youth and warm desire; Woods and groves are of thy dressing; Hill and dale doth boast thy blessing.

So said Master Shakspeare, and he understood

But there is another aspect for May. It is not seorehing summer, but stands between that and blustering winter, hangs out vernal suns, and lets us and the trees and grass and flowers, gradually down into the roasting season, acclimated and prepared for it. "Were a summer temperature immediately to succeed the cold of winter, many of our plants would be greatly injured, if in the year-is often-not totally destroyed. Their delicate vessels and est spoken of with en-cells would burst by a too sudden expansion, and thusiasm, sometimes the bud, prematurely thrust forth into the light with passionate joy. and heat of day, would wither and fall off, or It has a revivifying remain an abortive excreseence on its parent influence upon all na-stem. We should also be deprived of the beauty and interest attached to the gradual development of leaf and flower, were the great annual transition in the vegetable world effected instantaneously." Now, under the beautiful arrangement which exists, as the season advances, the temperature increases, and plant after plant, according to the sensibility of its buds, sends forth its tender shoots and leaves, in beautiful succession. till every field and garden and grove is teeming with beauty and perfume.

May, on the farm, is erowded with important duties, and unless they are thoroughly discharged, will show a neglect through all the summer operations. "Drive your business, and not let your business drive you," is a good old adage, and has more force than many are disposed to allow it. Always to be able to hoe a crop, for instance, at the moment it needs it, is a matter of considerable importance, saves labor and time, and undoubtedly increases the crop beyond what it would have been had the weeds luxuriated a few days longer. This is especially the case in harvesting the grain and grass cropsa delay of a day or two sometimes sadly affecting the quality of either. It is just as important for the farmer to be prompt and improve the favorable moment in his affairs, as it is for the smith to the secret workings of the human heart pretty spread his sails to the favorable breeze, or the

When plans are judiciously laid, so that each particular duty may be performed at the proper time, the work of the farm will go on pleasantly and profitably, and afford a satisfaction unknown F to those who labor without system, and seldom employ the head in conducting their affairs.

Trees.-If it was not done in April, make an experiment with one old apple tree; graft, if it needs it; dig, manure and pulverize the soil about it; if mossy and bark-bound, scrape it, and wash it with soap and water; do this twice the coming summer, and once each succeeding spring until the grafts come into bearing, keeping an account of expenses. This will test the matter, whether it is best to work over old trees. your trees with soap-suds if not already done this spring.

Graffing.—It is better done in April or early in May before hot suns prevail. Where what are called suckers come after the tree is grafted, do not cut them off until October—then cut off about half their length and allow them to grow the next year. Instead of diminishing, they will increase the growth of the young grafts, as their leaves will elaborate the sap and keep up a healthly action of the tree.

Planting Corn.—Plow deep, spread the manure liberally and cultivate it in three or four inches deep, pulverize thoroughly, and then if you desire to try specific manure, add a little superphosphate, bone dust, or guano to the hill, always remembering that the guano must not come in contact with the young germs of the corn. This will give it an early start, and get the ground covered and the plants ready for the hot suns of July.

Plowing.—All erops—even the grass crops depend greatly upon the manner in which this work has been done. Deep plowing is an antidote against drought. A light porous soil admits the air—the air is loaded with moisture, penetrates the light soil until it gets down where it is eool, and there the moisture is condensed, | taken up by the light particles of earth, and held in reserve for the roots of the plants. So if you plow deep and pulverize well, there is a perpetual watering going on, be the surface ever so dry.

Garden Vegetables.—Put in seeds for garden vegetables early, and in a favorable spot. They will cover the table with palatable and wholesome edibles before the summer is over.

GARDEN FRUITS.—Add a few choice currants, raspherries, &c.

Early Corn.—Sprout it on a sod, transplant sod and all, and you gain a week or two.

have decided in favor of being incorporated as a city. in the hot sun.

merchant to purchase when goods are low. MIDDLESEX COUNTY AGRICULTURAL PREMIUMS.

Show at Concord, Sept. 26, 1855.

	STOCK.—CLASS 1.—BULLS.
	For the best native or mixed Bull\$10,00
	the second best
	the third best
į	the fourth best5,00
ĺ	the best Ayrshire Bull
	the second best5,00
	the best Devon Bull8,00
ı	the second best
	the best Alderney Bull
	the second best5,00
ļ	the best Durham Bull
١	the second best
į	the best Bull Calf of any breed under one year old 6,00
ı	the second best
	CLASS 2.—WORKING OXEN.
ı	For the best yoke of Working Oxen, \$10,00
	the second best
-	the third best
1	the fourth least

CLASS 3.—STEERS.
For the best three year old Steers,\$7,00
the second best5,00
the best two year old Steers5,00
CLASS 4.—MILCH COWS.

the fourth best.....

For	the best Mileh Cow, native breed\$10,00	,
	the second best	,
	the third best	i
	the best Avrshire Cow	
	the second best	į
	the best Devon Cow8,00	1
	the second best5,00	,
	the best Alderney Cow	
	the second best	
	the best Durham Cow	
	the second best	

	CLASS 5.—HEIFERS.
For	the best Milch Heifer, under three years old \$7,00
	the second best
	the third best
	the best two year old Heifer
	the second best
	the third best
	the best yearling Heifer
	the best Heifer Calf

CLASS 6.—FAT CATTLE.	
For the best yoke of Fat Oxen	10,00
the second best	
the third best	6,00
the fourth best	5.00
the best fat Cow	

CLASS 7.—SWINE.	
For the best Boar	90
the second best	00
the best breeding Sow	00
the second best	
the best Pigs, not less than three in number, from	
four to eight months old	00
the best porker, of any age	Ж
the second best	

		CLASS S.—HORSES.
For	the	best Stud Horse\$10,00
	the	second best
	the	best breeding Mare
		second best
	the	best five year old Colt, broken to harness5,00
	the	best four year old Colt, broken to harness5,00
		best three year old Colt, broken to harness5,00
	the	best two year old Colt
	the	best yearling Colt

CLASS 9.—POULTRY.	
For the best live Turkeys, not less than 5 in number\$3,0	ю
the second best	
the best live Geese, not less than 5 in number3,0	Ю
the second best	ю
the best live barn-yard Fowls, not less than 5 in number	ю
the best show of any Fowls	0(
the second best	Ю

Mildew stains are very difficult to remove from linen. The most effectual way is to rub soap The people of Hoboken, opposite New York, on the spots, then chalk, and bleach the garment

For the New England Farmer.

CHOICE AND CULTURE OF APPLE TREES.

ments relative to my theories and practice in the vated tree. above line.

man, but in direct opposition to their own percentage of the wood."

First, the seed of the apple germinates and positions on the ignorant and unwary. Justice, shows itself two or three feet above the ground care of the trees.

planted can possibly be made. If it were pos-comparison to as would a Milk street clerk with sible so to do by statute law, I would not lessen a down-cast lumber-man.

the number of nurseries, but would rather inthe number of nurseries, but would rather increase them. But if the process of depletion was from the rays of the sun, will invariably be much to be applied in accordance with my views, it more thrifty and prolific than one otherwise exwould be in the number of trees contained in a posed. I would recommend to those who are row, which should be not more than fifty per about setting out trees, to let them incline to the cent. of the number usually allowed to stand, southwest about two degrees, from a perpendiction of those engaged in this branch of business, but the direct rays of the sun. In ten years the difference of the sun. In the years the difference of the sun. rather to enhance them, as it an opinion, founded ference in perpendicular appearance will not be

the bark smooth and of a dark green color, the first four or five years, if you are tempted to use top being well spread and divided into not less your jack-knife about them, throw it into the than three branches. Examine the twigs of the river immediately, that you may be delivered last year's growth, to see if they are not only of from evil. proper length, but of good circumference, with a good full bud at the top, and, all other things being right, it is of but little consequence whether the body is straight or erooked, although my plan of Thomas Pearsall, of Hooper's Valley, N. preferences are in favor of the crooked.

a thick-set nursery, common sense teaches that it ming through the centre of a barrel of flour and is impossible for it to have a quantum sufficit of meal, or a number of such tubes in bins of grain, roots, and those must possess but a feeble nature, we have tested and found to be an excellent inventors. and who will answer for its trunk surviving the tion. A barrel of Indian corn meal put up in heat of such a sun as that of 1854? It would be May last, with one of his refrigerating tubes, is the height of folly to hope for such a result, for, now as sweet as it was on the day it was packed.

if the tree should not literally die, yet the sap vessels would be so hardened and cramped by the heat, as to render it impossible for the sap to flow in sufficient quantities to give the top its Messrs. Editors: -As the season is fast appreceded support; consequently, the limbs become proaching when most people purchase their trees stinted, and fail of having that healthy appearfor transplanting, I venture to make a few state- ance which so easily distinguishes a well culti-

The sap which is thus obstructed, like a water-Much credit is due to many enterprising indi-course must find outlet somewhere, which it acviduals, who have subjected themselves to great complishes by sending out numerous shoots at labor and expense in order to furnish the public the bottom of the tree, sometimes from below the with a supply of good trees; and, whilst this surface of the ground, which with me, in many just meed of praise is cheerfully bestowed where instances, it is impossible to kill by frequent cutit is deserved, no false delicacy will make me ting, as the more I perform this operation, the forbear to give vent to my feelings of contempt more is their name legion. To more fully suband indignation towards those nursery-men who- stantiate the correctness of this theory, let us not only in defiance of all law, both of God and follow nature in her training of the "wild apple

however, demands it should be concluded that, in before the cattle think it worthy of their attenmany instances, where the fault has been charged tion to browse, when, for a number of years, a to the nursery-man, it really belongs to the one kind of running contest is kept up between them as who had the charge of setting out and subsequent to who shall obtain the mastery, which generally results in the tree, shrub-like, increasing in width Much as I admire a good nursery, with its to such a degree that it is impossible for its foe clean and well-cultivated rows, candor and truth to reach the shoot, which is now ascending from compels me to say that it is not the proper place the centre, and which soon forms a respectable to look for the best trees. First, because they top. The owner, making the discovery that it generally stand much too thick; second, because will grow in spite of beast's browsing and man's their trunks have been entirely sheltered from the neglect, in the course of a few years cuts away sun, to which they must be inevitably, and, in the now useless shrubs and sprouts on and too many instances, fatally exposed; third, be-around its body, and finds that he has a tree as cause the soil in which they are thus far reared, hardy as the most sturdy oak, with which a tree is often richer than that to which they are trans- from a crowded nursery bear about as favorable

A tree whose body can always be protected

on observation and experience, that one dollar is not a high price for a good sized, thrifty apple tree.

But how shall I be able to select a good tree, and how shall I test the correctness of your diatribe against thick set nurseries? says the integration of little experience in this matter.

Should any suckers come out on the bodies of trees newly transplanted, cherish them with all possible care, as where two or more are allowed to grow up and down the trunk, I have never known it to perish by sun-blight. The second string these may be headed in one-half, and the In regard to the selection of a good tree, let spring these may be headed in one-half, and the the trunk be of as pyramidial form as possible, third entirely removed. Excepting this for the Pro Bono Publico.

N. Bridgewater, Feb. 3, 1855.

Preserving Flour and Meal.—The patented Y., for preserving flour, meal and grain, from As to the propriety of purchasing a tree from heating and souring, by having an open pipe runThis improvement must lead to a great saving to necessary in New England beyond what a Southour country, as it is calculated that no less than ern clime requires? We will call it the very \$5,000,000 is lost annually by the souring of flour and the heating of grain in piles,—much, if not all, of which may be saved by the application of about five persons, and this gives us fifteen milthis invention, which is neither complex nor exclions more, making eighty millions a year in all. pensive, but simple and cheap. A barrel of corn Now when we consider all this, and the disadvanm al. packed in one of Pearsall's patent tubular tages under which farmers labor, at the North. barrels, arrived in this city on the 7th of this as to performing their labor-how we are hurmonth from Louisville. It was put up in July, and shipped to New Orleans, was kept several weeks in the hold of a steamboat, and afterwards planting in a very few days, while no farther housed in a warehouse until about the 1st of De-1 South than Maryland the plow runs every c.mber, and yet is now perfectly sweet.

Scientific American.

For the New England Farmer.

THOUGHTS ON CLIMATE.

BY HENRY F. FRENCH.

It is strange to think how much we pay for the privilege of living in a cold climate. The hav crop of New England, in 1850, was about three-and-ahalf millions of tons, and was worth, when stored for use, about thirty-five millions of dollars. All this, with a trifling deduction for what was exported, was fed out to our cattle, sheep and horses, to sustain them during the winter months. In the Southern part of our country, no such crop is raised, for it is not needed. Vast droves of cattle and abundant food, summer and winter, in the woods and on the prairies, with no care from man. Thus we pay in New England, for the privilege of keeping our very cattle in a cold cli-sun would render unnecessary. mate, thirty-five millions of dollars. And this is by no means all. We feed out to them a vast amount of grain. We build for them expensive barns and stables, a luxury which Southern animals neither enjoy, nor have occasion for. They are far more comfortable out of doors, under a warm sky.

feeding out three-and-a-half million tons of hay, a fork-full at a time, each winter.

census of 1850, a few more than a half-million of social intercourse. families, occupying nearly half-a-million of dwellings. I think it would be a fair estimate, that the census, seventy-seven thousand free white nathe annual average cost of keeping up every dwelling to the necessary point of comfort in New wonder one of her politicians recently expressed England, above the cost in the Southern States, great surprise at a recent proposition in the Mason account of cold merely, is thirty dollars, or in sachusetts Legislature, to limit the right of all fifteen millions of dollars. To this, add for voting to citizens who can read and write! the extra fuel the like amount of fifteen millions, and we have already, for merely hay for our cat-levery New England man who travels Southward. tle, and additional shelter and warmth for our That human toil is to be saved, seems never to year, for the luxury of cold weather.

pair of spurs! We must not forget the matter of fully applied. slothing. What additional clothing is really | Slavery accounts for many of the facts to which

ried and driven to do our fencing, plowing and month in the year-it is enough to make us pause and consider, whether, indeed, our lines have fallen in pleasant places, and whether we have a goodly heritage.

It is true, we do pay, in New England, a tax. an annual tax, equal to one hundred millions of dollars, for the additional food, shelter and fuel necessary for subsistence in a cold climate. How much additional labor we annually perform to bring out from a hard and sterile soil our various crops, beyond what they would require to be raised by the same skill and thrift, from the deep and fertile valleys of the South and West, no man would dare to estimate, and the wonder, only, to a Southern man who visits New England, is, that we undertake to cultivate such land at all.

A hundred millions of dollars a year is a large sum to pay for sunshine merely—for what, in other words, in another climate, the warmth of the

But, there is a law of compensation running through all nature. If we travel towards the South, in our own country, as we leave New England, we see as we go farther, less and less of the indications of comfort and refinement. The house is less and less like a Home. As the climate allows the members of the family We expend a great amount of labor and time in more freedom abroad, less is thought of the internal convenience and of the outward adorument of the dwelling. Living apart, and not in villa-Again, there were in New England, by the ges, there are less advantages for education and

> Even in Old Virginia, in 1850, there were by tive adults that could not read or write! No

The lavish expenditure of human labor strikes families, a tax of sixty-five million of dollars a have been thought of. Where the man himself must do the work, the head will do its part, and But again, they say the dog-day costume of a save the hands; but where the head of one didandy in New Orleans is, a clean dickey and a rects the hands of others, the labor is never skil-

climate which seems universal. A cold climate kind. is most favorable to the development of an active and energetic character. This is, after all, the grand secret of the whole matter. The New England youth sees before him a rugged country, of forest-covered hills, cut through by rushing streams, with the winter snows drifting deep about them. But he feels the power within him to fell the forest, to dam the river, to break the snow-paths-to build mills, to grade the hills and valleys for railways. Everything gives way before an energy and a will of which he, whose cheek is fanned by a Southern breeze in his youth, knows nothing.

Often the Northern man, trained to active life at home, finds himself, by a short residence at the South, enervated and weakened by the climate, and ceases to wender at the different habits of the people.

We may speculate and theorize as we will, it is true at this very hour, that the sun in his whole course around the earth does not now search out a people of the same number occupying a like amount of territory, so well supplied with the necessaries of life, so well educated, so moral, so free and so happy, as those of New England.

What we might be with a warm and genial climate and a mellow soil we cannot tell. What we are, with the rough north winds, and our rocky hills, and a free sky bending over us, let us consider well and be thankful.

For the New England Farmer.

POTATOES.

The crop of potatoes in Massachusetts, and probably in New England generally, was uncommonly fine last year, and altogether the most profitable crop raised. Of the Black Chenangoes, which I have raised for more than ten years past, without any rot in a single case, I last year obtained 320 bushels to the acre. They are now worth at my door 65 cts, per bushel—320×65 = \$208,30. This on land just broken up, and with a moderate quantity of stable manure, say 25 cart-loads to an acre, plowed in, gives a nett been testing the respective merits of the Merino profit greater by far than any I know of in ordi- and Oxfordshire sheep, and finds that the latter nary agriculture.

(if the Jenny Lind potatoes, of which kind I least expensive; they are also very prolific, usual-planted only 8 square rods, I raised 24 bushels, ly giving birth to twins, and Mr. Smith has disacre.

ness; they are used for table purposes by many, dam, and says that he has had a seven-month

we refer. Slave labor produces less than any being generally a little cheaper than other kinds, other, and where the slave exists the master nev- and pretty good eating late in the season. The er works, while in New England every man la-lors with his own hands, and is award to do so Fors with his own hands, and is proud to do so. esteemed one of the best kinds for cooking, and Yet, back of these considerations, as all histo-owing to the fact that they never suffer from rot, ry shows us, there is a law of compensation as to are more cultivated, I think, than any other AMASA WALKER.

North Brookfield, March, 1855.

SOULS, NOT STATIONS.

Who shall judge a man from manners? Who shall know him by his dress? Paupers may be fit for princes, Princes fit for something less. Crumpled shirt and dirty jacket May be other the golden ore Of the deepest thoughts and feelings-Satin vests could do no more. There are springs of crystal nectar Ever welling out of stone; There are purple buds and golden Hidden, crushed, and overgrown. God, who counts by sonls, not dresses, Loves and prospers you and me, While he values thrones, the highest, But as pebbles in the sea.

Man, upraised above his fellows-Oft forgets his fellows then; Masters-rulers-lords remember That your meanest kinds are men! Men by labor, men by feeling, Men by thought and men by fame, Claiming equal rights to sunshine In a man's ennobling name. There are foam-embroidered oceans, There are little weed-clad rills. There are feeble inch-high sandings, There are cedars on the hill: But Go I, who counts by souls, not stations, Loves and prospers you and me; For to Him all vain distinctions Are as pebbles in the sea.

Toiling hands alone are builders Of a nation's wealth and fame; Titled laziness is pensioned, Fed and fattened on the same, By the sweat of others' foreheads, Living only to rejoice, While the poor man's outraged freedom Vainly lifteth up its voice. But truth and justice are eternal. Born with loveliness and light; And sunset's wrongs should never prosper While there is a sunny right; And God, whose world-heard voice is singing Boundless love to you and me,

As the pubbles in the sea. Sheep.—Lawrence Smith, of Middlefield, has are at the same time the most productive and the

Will sink oppression with its titles,

or at the rate of 480 bushels to the acre—worth covered that while the receipts on ten Merines new 622 cts. per bushel, equal to \$300 to the amounted to \$32, the profits on nine Oxford-This last is a huge, coarse potato, but well of the latter species often attain the weight of

worth raising, owing to its wonderful productive- 100 lbs. on nothing but the milk afforded by the

lamb in his flock weighing 104 lbs.—Springfield present law. But as he who breaks into a house Remobilican.

For the New England Farmer.

LEGAL PROTECTION TO FRUIT TREES.

"How does it happen that there is so little Will not our Legislature now in session think of choice fruit cultivated in this place?" I asked of these things? Let them give us a chance to try a resident, last fall. "There are," I continued, what virtue there is in something beside turf "no early or fall apples, no pears, good or bad, and grass. Give us something that will bring very few peaches, no grapes; in fact, though the "boys" down from the apple-tree and pear-1 sessing every advantage for the successful cul- tree too in double quick time, and make them stay tivation of the very choicest fruits, there is in down! the place scarcely a thing grown worthy the name of fruit!"

·· Well, I can tell you the whole and only cause, and it is all told in one single word, 'Boys!' Boys, big and little, will manage in spite of you to get the best of your fruit, and generally, facts of the most astounding character most likely break down and destroy your fruit trees; and it is more vexatious and provoking to raise the fruit and have such scamps get it and days ago, which of the great grain ruin your trees to boot, than it is to have noth-depots of the world, (depots at which grain is ing... I tried it till I got sick of it, and gave it

The manner in which this response was uttered. showed it was no "fancy sketch," but "real life." The man felt what he said.

lows!

the peace, who found him guilty, and fined him grain business in this city, and with his assistance, we have given it a thorough investigation, den and fruit trees found no peace till the first the result of which, greatly to our surprise and was ruined and the latter broken down and gratification, establishes the supremacy of Chicago killed. That's the beauty of the law. If the felacy got into my house, at the same time, and the stolengage graph or had proceed to law before ground for incredulity, we stolengage graph or had proceed to law before ground for incredulity, we stolen a crab, or had passed a counterfeit one proceed to lay before our readers the statistics, dollar bill on me designedly, he would have gleaned from authentic sources, which confirm fetched up at the States prison! But he could trample down my garden, and break down my fruit trees which were worth beyond price to me, and yet the law would fine him only a few dollars, and let him off to run riot in his missister.

joy, because, forsooth, vagrant boys, grown and ungrown, will steal it! Nothing conduces more to the enjoyment of the family than abundance of good fruit, and no good can be had with less

expense.

If every family which has the means, could have the most tempting fruits of the varieties which flourish here, how greatly would family expenses be reduced! Tens of thousands of dollars that are now sent abroad for supplies and lars that are now sent abroad for supplies and By comparing the exports of the different for foreign fruits would be saved at home and places mentioned in the above table, it will be added to the wealth of the commonwealth.

let him suffer loss under the mild pressure of the Ibrelia combined 5,406,727 bushels.

and takes property either day or night is made to feel the rigor of the law, and that justly, so let him who will break into or enter a garden, yard or orchard, and take fruit day or night, be made to feel a like deserved rigor.

ICHABOD HOE.

THE GREATEST GRAIN MARKET IN THE WORLD.

In the progress of our city and of the West not unfrequently come upon us unawares, and before we are prepared for them. If any one had collected directly from the producer,) was the largest, we probably would have named half a dozen before hitting the right one. If the same question were put to each of our readers, we doubt if any one of the whole number could "But," I replied, "put the law on such fel- answer it correctly, nor do we believe that any one of the whole number would credit the correct "Law!" he repeated, with a scornful leer. "I answer to the query, unless it was sustained by tried law once, to my satisfaction. I found one of the vermin on one of my trees one night, and had a complaint against him before a justice of subject vesterday, by a gentleman engaged in the hars, and let him off to run riot in his mischief!", pean ports are an average for a series of years— Well, thinks I to myself, must these things those of St. Louis for the year 1853, those for beso? Must we be deprived of the inestimable the sing of having abundance of choice fruit, a blessing great as it is which every man in the commonwealth with only a half-acre lot may enjoy, because, forsooth, vacgant large acressing the same year. With these explanations we invite attention to the following table:

Wheat. :	Ind. Corn.	Oats, Rye, Barley.	Total. bush.
Odessa5,600,000		1,440,000	7,040,000
Galatz & Ibrelia 2,400,000	5,600,000	320,000	8,320,000
Dantzig3,080,000		1,328,000	4,408,000
St. Petersburg	all kinds		7,200,000
Archangel			2,528,000
Riga			1.000,000
St. Louis3,0\$2,000	918,384	1,081,078	5,081,468
Milwaukie2,723,574	181,937	841,650	8,747,161
New York5,802,452			9,480,335
Chicago2,946,922	6,745,588	5,034,216	13,726,728

ded to the wealth of the commonwealth. seen that the grain exports of Chicago exceed It is not the straggling, moss-grown tree that those of New York by 4,296,393 bushels, those stands on the open common or by the road-side of St. Louis by more than two hundred and fifty tempting every passer by to "pluck and eat," per cent., and those of Milwaukie nearly four that needs or merits protection. If a man has hundred per cent. Turning to the great granano more wit than to expose his treasures openly ries of Europe, Chicago nearly doubles St. Peto the public, thus daring them to violate the law, tersburg, the largest, and exceeds Galatz and

Twenty years ago Chicago, as well as most of the country from whence she now draws her immense supplies of breadstuffs, imported both flour and meat for home consumption—now she is the largest primary grain depot in the world, and she leads all other ports of the world, also, in the quantity and quality of her beef exports!! We say the largest primary grain depot in the world, because it cannot be denied that New York, Liverpool, and some other great commercial centres, eat together; so with the beautiful cherry birds:

MR. Editor:—Illumanity has the first natural lesson upon our nature. It immense supplies of breadstuffs, imported both receive more breadstuffs than Chicago does in make them your daily guests. If you have but the course of a year, but none of them will comfew, plant more trees and invite familiarity.

What a practical illustration the above facts afford as to the wonderful, the scarcely credible, progress of the West-what an index it furnishes to the fertility of her soil, and to the industrious and enterprising character of our people-what a mastery of the house, but the size of the hole prophecy of the destiny that awaits her, when decides who shall occupy it. The swallow and every foot of her long stretches of prairie and her martin are sallying forth for musquitoes and rich vallies shall be reduced to a thoroughly sci-entific tillage! How long, at this rate, will it be over your fruit trees for bugs and slugs; early before the centre of population and of wealth will and late they record and slugs; early have arrived at the meridian line of our city, and you a heart to shoot these birds? Chicago will have vindicated her right to be recognized as the great commercial metropolis of the constantly seeks for noxious grubs beneath the United States? We verily believe such is the des-bark of your orehard trees, and so dexterously tiny that awaits her.—Free Press.

For the New England Farmer.

ABOUT RAISING STRAWBERRIES.

I find that my neighbors who cultivate strawberries in a very rich piece of garden ground, are her nest. Don't shoot this beautiful bird. so overwhelmed with weeds that they feel compelled to make a new bed every year or two. I top and directs you to "plow it," "furrow it," have had a bed in the same spot, a part of it for "drop it," and "cover it up," as a true monitor six and a part for five years, and for the past of seed time. Will you shoot him for this good three years have a part of the past of seed time. Will you shoot him for this good therein once late in the autumn. I take poorer crumbs of bread, and becomes the pet of children. land and a larger piece—a piece where nothing but grass or strawberries will grow, unless it be The hawk dashes into your brood of chickens soil, and partly to the soil being a gravelly loam, seeching mother; yet his principal food is snakes, which has never received much that was enrich-mice and lizzards. So he is an expert fisherman, ing. Sometimes I have given the bed a dressing but there is plenty of fish in the sea for you. of well-rotted compost, sometimes of leaves in the fall, and sometimes nothing whatever. Last sumport it required 105 graves of stransform. The crow pulls up your corn. (soak it in comparity required 105 graves of stransform.) mer it produced 105 quarts of strawberries. The perus water as a preventive,) but he is your comdimensions of the bed I cannot now give, but mon scavenger, removes carrion and other offal, should suppose it would contain 1000 or 1200 cats worms, and is highly beneficial in his depart-

As strawberries do not grow on bushes to ac- rayen? commodate tall people, and as the sun always a busy time, I find it advantageous to have a home. Wanton is the hand and wicked the bed sufficiently large to pay for the picking, by heart that revels in this destructive, indiscrimallowing my neighbors' children or wives to pick inate sport. Legislation is too tame upon this them on shares, giving me one-half, which half subject; law is disregarded; and, as conventions is sufficient forms. is sufficient for my family's present consumption, are the order of the day, why not have a great and for their preserve jars, and for the supply of national bird convention and decide whether, in several quarts to friends.

Yours, &c., Lewis S. Hopkins. Northampton, Feb. 15, 1855.

For the New England Farmer.

DON'T SHOOT THE BIRDS.

pare with her, as we have shown above, in the When the fruit is gone, the canker-worm and amount collected from the hands of the probirds!

Build houses for the martin, the wren, the swallow, the blue bird; make the entrance holes small for the wren, and according to size for the other birds. Severe battles are fought for the and late they regale you with their music. Have

Few know the value of the woodpecker, who does its work. Will you shoot this bird? There is the "golden robin," that hangs her "reticule" on the limb of the graceful elm, ingeniously beyond your reach. She opens her voice with the dawn of the morning in rich notes; she lives on worms and insects; give her thrums to weave

There is the thrush—he perches upon the treethree years have had comparatively very little advice? The merry boborlink, the lark that trouble with the weeds; the hoe and hand, three whistles, and that little Bible bird, the "spartimes in the season, being sufficient, including row," that chirps around your door, seeks a few

weeds, owing mainly to the close proximity of with a relish for uncooked poultry, and carries two large clms, whose roots draw largely on the off his victim before the eyes of its terrified, be-

square feet. I would not exchange it for one of half the size, in rich soil, if I had to take the us—is heard by Him "who hears the young weeds also."

It was my intention to have merely sketched shines its hottest rays when they ripen, and it is these birds, that surround every New England God's providence, birds were sent to curse or to Yours,

New York, March 15, 1855.

A MECHANIC'S GARDEN.

We have frequent inquiries for some plan of. cultivating small plots of ground such as are blackberries, plants, &c., enough to pay all extra owned by multitudes of mechanics, traders and labor employed, and for most of the manure he merchants, residing in the suburbs of our cities purchases. and villages. We cannot well put down on one, or even on a hundred pages, all the minute directions these men require; we will, however, do what we can to meet their wants. We give them a list of what is one plot of ground of half an acre; and lest the statements may seem rather large we may as well say in advance, that we describe just what we saw on the grounds of Mr. J. H. Smith, at Norwalk, Conn.; and further, that although there is such a variety of trees, fruits, vegetables, &c., there is no confused crowding or jumbling, but every thing seems to be arranged in perfect order. Mr. Smith showed us a large sheet of paper, upon which he has marked out the ground occupied by each tree, plant and plot of vegetables or berries, with the name and Mr. S. is a laboring mechanic, and that he does nearly all the work required in his garden with his own hands, and out of the usual hours of business.

His lot is about 100 feet wide, and of course extends back some 220 feet to make an acre. The front half contains the house with front and side plots-the house being upon one side of the lot. In this front area, in part covered with grass, are quite a variety of fruit and ornamental trees, including 14 cherry trees of different varieties, 4 standard and 10 dwarf pear trees, 3 dwarf apple trees, 6 peach trees, 8 Norway spruce, 1 white pine, 2 balsam firs, 1 horse chestnut, 1 mountain ash, 4 common whitewash, (in the street outside the fence) 4 common forest dogwood, 2 elms, 5 roses of Sharon, 2 wax plants, 12 varieties of roses, beside flowering currants, sweet-scented shrubs,

Back of this ground commences the garden, which is not, as it should be, separated from it by any fence. In the rear is a cold grapery, 14 by 13 feet, with a grape-border in front, 18 feet wide. The rest of the ground is planted with various fruit trees, and divided into plots containing each of the following: beets, two varieties of onions, cabbages, potatoes, sweet corn, cucumbers, peas, three varieties of beans, gherkins, summer and winter squashes, radishes, two varieties of lettuce, nasturtions, eleven varieties of strawberries, five varieties of raspberries, several vigorous hills of New-Rochelle and white blackberries, two varieties of gooseberries, and three varieties of currants. In addition to these, there are plants of hops, sage, parsley, pie plant (in abundance,) wormwood, and a variety of flow-

On this ground are three apple trees, three plum trees, 20 peach trees, 75 dwarf pear trees of 42 varieties.

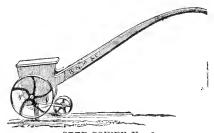
The cold grapery is new, and cost near \$400. A plain one for common use may be built for onehalf, or one-fourth of this expense. This one has a cistern, with a simple and inexpensive force pump, to which is attached hose and pipe for throwing water into every part. It contains 24 grape vines of 13 varieties.

the entire season. In addition to a bountiful supply for his own use, Mr. Smith sells strawberries, blackberries, plants, &c., enough to pay all extra

After reading this enumeration, who will say that a single half acre, if rightly managed, is not capable of ministering greatly to one's taste and comfort, as well as profit? What Mr. Smith enjoys from his plot of ground, could not be purchased for many hundreds of dollars, if it could be purchased at all; while, as before stated, the cost is comparatively trifling. The time and labor devoted to these grounds serve as a recreation, rather then a tax upon the labors of the day.— American Agriculturist.

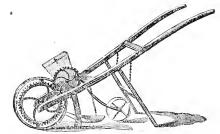
SEED SOWERS.

Now that so many persons engage in the cultivation of the root crops, it is important that all variety written down. We should also say that labor-saving machinery that is valuable, should be known and brought into requisition. The first sower here represented we have not used, and suppose that it is intended merely for garden purposes, such as sowing beds. No. 2, and No. 3, we have used many times, and have found the seed to come well after them. But any sower should be carefully tested on a board or floor before going to the garden or field with it.



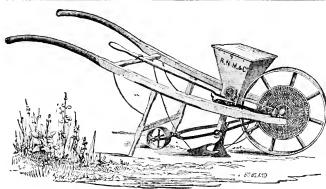
SEED SOWER No. 1.

This is a small hand drill, designed for the garden. It is a cheap, light, pretty sower, well adapted to the wants of those who cultivate root and vegetable crops on a limited scale, and will sow all such crops, excepting peas and beans. It opens the ground, sows the seed, covers and rolls it at one operation or passing.



SEED SOWER No. 2.

Seed Sower No. 2 is adapted to garden or field The various vegetables and fruits are so selected sowing, is a size larger than No. 1, and is deas to furnish a succession for the table during signed for sowing the same kinds of seeds. The



cylinder and brush within the hopper go by new and highly creditable family of horses." gearing, and thus are always sure to operate.

Seed Sower No. 3, combines several important improvements upon the English Drill, particularly in those additions which fit it for sowing cle. Read and follow lead. large seeds. The brush and cylinder of No. 3, which distributes the seed, go by graduated rows of iron cogs or gearings, which operate simply and uniformly, are durable, not likely to get out interspersed with currant, gooseberry, black and of order, and by which the speed of the dropping white raspberry bushes and flowers of numerous may be increased or lessened, large or small seeds tints and hues. It was well manured with a sown, in all their varieties, at any desirable distances, in hills or drills, and the several necessary twelve inches deep in the fall of 1853. In the changes for the purpose are made with ease and following spring, it was again plowed eight expedition. The brush is used for small seeds, as inches deep, and harrowed until not a lump was turnips, carrots, &c., and the cylinder for corn, to be seen upon the surface. As soon in May as peas, beans, &c. Six tins, with different sized the earth was sufficiently warm, the seed was holes through them, accompany on the seed was reast in with a patent seed sower, drilling, dropholes through them, accompany each machine, to ping and covering the seed as fast as one could be used in connection with the brush, as circum-run a wheelbarrow over a smooth surface. The stances may require.

MORGAN HORSES.

One of the editors of the American Agriculturist, who attended the Vermont State Fair, makes the following candid and judicious remarks in regard to this stock of horses:

"One of our correspondents has recently characterized the Morgan horse a humbug. We wish there were more such agricultural humbugs. He has equally failed in characterising this fine funily of horse flesh. He has evidently drawn his ideas from the throng of miscellaneous brutes that have been picked up by jockeys of every hue, and palmed off among the unsophisticated, wherever such customers could be found. Of course there—With beans, pie-plant, early potatoes, peas, is no such thing as a pure Morgan horse, as their asparagus, &c., for the supply of one - family, to origin dates from a single animal, and less than say nothing of the stalks, callings leaves, turnip They are not homogeneous in form, appearance, stace nor fine fruit. - Watchman. nor character; but they are enough so to be entitled to the possession of a distinctive family name. There are wide departures from the general resemblance, in many of the progeny that are bred from uncouth dams. We have seen some the article in another column from "A City Meover sixteen hands high and some scarcely twelve; chanic."

some with steep rumps, big heads, and dull eyes, or sluggish gaits, that were called Morgans, and probably enough were gotten by them, but the characteristics of the dam were too potent to be subdued by a single cross. In conclusion we are compelled to say, that the true type of the Morgan horse is as desirable an animal for the road, whether our taste, or convenience, or pockets are con-cerned, as we have ever seen in harness; and success, say we, to the Vermont enterprise of rearing and maintaining a

OUR GARDEN.

There is practical wisdom in the following arti-

It is in the rear of our dwelling on State street, five rods wide by ten rods long, skirted on both compost of mack and the droppings and drippings of the kitchen and barn, and plowed work of planting, cultivating and harvesting, was principally done with a light hoe in our own hands, before breakfast and after tea. The result is as follows:

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sixty years ago. But they have had about the and carrot tops, to make the cows laugh, give same period to form a peculiar race as the Ayr-builk and grow fat. He that will not cultivate a shire cattle, and their success is fully equal good kitchen garden, eneither shall be cat good

ELEVENTH LEGISLATIVE AGRICULTU- rich treatment, and a trench should be dug RAL MEETING.

Reported for the New England Farmer, BY WILLIAM W. HILL.

was held in the Representatives' Hall, at the ductor. For instance, attach a wire to the roots State House, on Tuesday evening, March 27, at of some tree which does not bear very well, and 7½ o'clock. The subject for discussion was the carry it along to the water in some spring. same as at the last meeting—Fruit and Forest Trees.

the tree, covering it with straw, and allow it to see no ill effects accruing from it. remain a year, after which plow it in. Ley is often used with injury in washing trees, but if ley, (in the proportion of one pound of potash green manure is mixed with it the ill effects will to a gallon of water) during the month of July, be prevented. Upon stone fruit trees ley may be for three successive years, and by that means had used much stronger than upon apple trees. The got rid of the borers. speaker suggested that a wash of strong lime water, mixed with salt, would have a happy ef- considered it a good plan, in setting out trees, feet on the growth of trees. It is of no use to to set them a little to the south south-west, as dig about trees unless a considerable space is dug|they thus receive the rays of the sun less direct. The ground should be deeply plowed be cut down very close, because they will absorb great care in the process of transplanting trees. too much of the nutriment of the tree. As Mr. Merriam, of Fitchburg, made a detailed stateregards manuring fruit trees, pears will bear very ments in regard to an experiment which he tried

around them and filled up with rich manures. Mr. Grout also alluded to the effect of electricity on trees,-their growth, &c.-and suggested The eleventh Legislative Agricultural Meeting whether a tree could not be made a proper con-

Mr. Brooks, of Princeton, followed, and remarked that trees, which he pulled up in his ELIAS GROUT, Esq., of Ashland, presided. He pastures and wherever he could find them, would remarked that he had been so unexpectedly called grow much better when transplanted, than those upon to preside at the meeting that he had he obtained from nurseries, and were much less had no opportunity for preparation, and felt that infested by the borer. He thought this plan the his audience was better able to instruct him than most judicious in growing fruit trees,—take the he them. He alluded to the almost wanton de- natives and plant them, no matter what they are. struction of forest trees in New England, and He had some trees, which he obtained from a hoped that a reform would be effected in this nursery, that did not grow any for four or five matter. In cultivating forest trees, he thought years. He recommended digging five or six feet they should be allowed to grow as thick as possi- around trees, and applying manure and muck, ble, in order to secure handsome trees and good one-half of each, as operating exceedingly welltimber, and they should not be trimmed for a not only on dry, but moist, clayey lands. In renumber of years. In the West, the woods grow gard to the cultivation of forest trees, he thought up thick and prune themselves, producing fine it a matter of much practical importance to fartall trees with very few limbs. Coming to the mers, for besides beautifying an estate, if plantsubject of fruit trees, he remarked that it is ed around the farm buildings, they will break off sometimes asked why the old apple trees are the cold winds and make them warmer, and also wasted-why not graft them, as by so doing you protect them from decay by exposure to the can save time and trouble and get earlier fruit? weather. Mr. Brooks doubted the expediency of The answer is, they last but a few years, and if the suggestions of the Chairman in regard to they have grown up near stone walls, where they opening the tops of trees, because the sun will could not be cultivated, surrounded by bushes, be let in too much, which is a serious evil in onr and have felt the axe or the saw but rarely, the hot, dry climate, inasmuch as the tree will be borers are found in them abundantly, and they burnt up and destroyed. He said he had had thus become nests of these destructive insects. good success in following up borers with a wire When, on the contrary, the trees are in an open when they are boring into the trees; and as to lot, it is a good plan to take as much green ma- washing trees, he had used ley of such a strength, nure as one horse can draw and place it around that an egg would just sink in it, and he could

Mr. Darling said he had washed his trees with

Mr. Fisk, of Framingham, remarked that he

Mr. Flint remarked that nothing showed the about the roots at proper distances. In regard progress of agriculture for the last twenty years to trimming trees, they should be kept open, giv-better than the attention which is paid to the ing, say, a border of two to three feet of foliage. cultivation of fruit trees, and as an interesting It is the practice to allow trees too much foliage, historical fact, remarked that the first fruit trees particularly the apple. Fruit that is not shel-cultivated in this country were planted on Govtered by foliage will ripen quicker. (a.) Vigor-ernor's Island, in Boston harbor, by Gov. Winous shoots that come out after grafting, should throp. Mr. Flint also enforced the necessity of

with one thousand fruit trees which he obtained ers (as they are very improperly called.) in order from a nursery at Duxbury, close by the sea, to supply leaves which may prepare the sap to and which he transplanted to Fitchburg and set carry on the usual work of the tree, that is to go out during the time between the 1st of May and on with its regular habits. Scions themselve s the 3d of June. The only remarkable thing will grow better where there are some "suckers," about it, he observed, was that they all lived because the natural vigor of the tree is kept up. He also stated that by driving four or five nails into a tree infested by the borer, just below the surface of the ground, with some perhaps on parts of the tree most affected, he had completely destroyed these worms; and in his opinion, the iron would not injure the fruit in the least.

ting out an orchard it was best to apply manure, tatoes and assisted at two more patches. and dig about the roots. He would mix potash with muck and put it about the roots—the potach ash being dissolved, and electronic ash being dissolved, and electronic ash being dissolved. ash being dissolved, and about a pound to six or land moist, plowed clean about 20th of June, eight bushels of muck used. To preserve trees and planted without harrowing; seed, smaller from borers, he recommended strips of common than fit for table use, dropped without any hill, tarred paper put around the trees near the ground. Care should be taken in transplanting trees, to have roots spread in all sides. In trimming, the first limb to be cut is the top, in order to get a yield two hundred bushels to the acre. growth of limbs as near the ground as possible. By this means a better crop of fruit is secured, the with stable manure; buckwheat on the ground the ground stable manure; buckwheat on the ground stable manure; buckwheat of ground stable manure; buckwhe By this means a better crop of fruit is secured, the year before with manure; plowed clean, hartree is less liable to be injured by the wind, the rowed then ridged and hills made with hoe; fruit is more easily gathered, and the tree is much planted about 1st of June, seed mostly Pinkless exposed to the effect of a drought, because the eyes; small and refuse potatoes; plowed shallow ground beneath is sheltered from the sun and re-tains moisture longer 250 bushels to acre. Land was wet, hilly land. tains moisture longer.

Mr. Farnum, of Boston, made some well-chosof them weighted 1 lb. 3 oz. en remarks in regard to the great beauty which ornamental shade trees add to towns and villages, before, turfy, slightly manured, plowed clean, and the enhanced value which estates derive from them. He urged the formation of tree associations to inches apart; seed very small, dropped in furrows 14 to 16 inches apart, and planted 16th of June at 13 in every town in the commonwealth, whose ob-bushel of plaster to acre; variety of seed, Sandject it shall be to adorn the streets with shade Lakes; plowed between rows and hood once in trees. Several such societies already exist.

of setting out ornamental trees, as well as the ne-ground, with small-pointed hills and Sand-Lakes cessity of consulting the adaptation of the tree to the soil where it is to grow. He also referred to the soil where it is to grow. He also referred to for goodness, I consider Pink-eyes equal, if not the subject of fruit trees and goodnest length in

Remarks.—(a.) If the tree-grower, everywhere, will always keep in mind a single fact, it will not yet "posted up," I can inform him that the save him from the commission of many errors.

Leaves are the lungs of the tree. To take away "Humphrey House," and was a season of unuthal leaves from the large of the tree. the leaves from a well-balanced tree so that the sual hilarity. fruit shall ripen carlier and better, would be like cutting away a portion of the lungs of a well-prorapidly developed and matured. In this climate, particularly, we need an abundance of leaves. So after cutting away nearly all the small limbs in a grafting a tree particularly and the small limbs in a grafting a tree pattern that the small limbs in a grafting a tree pattern that the small limbs in a grafting a tree pattern that a grafting a grafting a tree pattern that a grafting a

For the New England Farmer.

EXPERIMENTS WITH POTATOES.

Mr. Editor:-Hoping to contribute my mite towards the stock of general information on the culture of potatoes, I send you my experience Mr. Davenport, of Mendon, said that in set-the past summer. I cultivated one patch of po-

No. 3. Half turf, half sowed to turnips year very broad flat hills; yield 130 bushels to the Mr. Buckminster, of the *Ploughman*, followed in some excellent observations in regard to applying the principles of a correct taste to the matter tillage is superior? For myself, on good moist the subject of fruit trees, and spoke at length in superior, to any other variety I am acquainted regard to their management, varieties, &c.

II. Ball.

Bristol, Ct., Fcb. 17, 1855.

P. S. If your correspondent "W. D. B." is

Where Cork comes from .- Cork is nothing portioned boy, so that his body might be more more or less than the bark of evergreen oak, grafting a tree, nature throws out numerous suck-thickness and quality suitable for manufacturing

purposes; and after stripping, a further growth light which these innocent creatures afford, the injuof eight years produces a second crop; and so on ry done to the farmer, and to the community at at intervals, for ten or twelve crops. The bark is large, by their destruction, is almost incalculable. stripped from the tree, in pieces two inches in I take this occasion, therefore, to entreat every farthickness, of considerable length, and of such width as to retain the curved form of the trunk when it has been stripped. The bark pealer or cutter, makes a slit in the bark perpendicularly cutter, makes a slit in the bark perpendicularly and town. Stringent laws already exist against the defrom the top of the trunk to the bottom; he struction of birds. Let every man see too it that these makes another incision parallel to it, and at some laws are rigidly enforced, and rest assured that he distance from the former; and two shorter hori- will be richly rewarded, not only by the consciousness zontal cuts at the top and bottom. For stripping of an act of mercy in preventing their annual and off the piece thus isolated, he uses a kind of knife rapid diminution, but also by the fulness of joy and with two handles and a curved blade. Sometimes song with which these sweet messengers of heaven after the cuts have been made, he leaves the tree will surround his dwelling, and testify to every passerto throw off the bark by the spontaneous action of the vegetation within the trunk. The detached owner to protect and save them. pieces are soaked in water, and are placed over a fire when nearly dry; they are, in fact, scorched a little on both sides, and acquire a somewhat more compact texture by this scorching. In order to get rid of the curvature, and bring them flat, they are pressed down with weights while vet hot.

SPARE THE BIRDS!

We have received the following circular from the Secretary of the Board of Agriculture, and heartily commend it to the attention of our readof birds, at this season of the year, is becoming a tion, and the value of his crops, and tries to imserious evil, and if not speedily checked, the confirst day of March and the first day of September; and every person shooting at or killing any birds "upon lands not owned or occupied by himself, of ten dollars in addition to the actual damages sustained, to be recovered by such owner or ocpenalties of the law will be rigorously enforced,

AGRICULTURAL DEPARTMENT,
State House, Boston, March 26, 1855.

since they destroy innumerable insects injurious to vegetation, are thus sacrificed to the wantonness and cruelty of those who know not what they do. Many painful instances of this came to my knowledge a year six years, and with constantly increasing success.

by that there is practical Christianity enough in its

I will thank any man, in any section of the State, to inform me of the extent of the violation of the laws of mercy and of the Commonwealth, in order that, if necessary, more effectual measures may be taken to protect the birds, and thus invite them and encour-

age them to live among us.

Very respectfully, your obedient servant, CHARLES L. FLINT, Secretary of the Board of Agriculture.

WHAT VEGETABLES ARE BEST FOR STOCK?

Mr. Dewey is a careful farmer. He watches ers. The wanton and indiscriminate slaughter carefully the effect of his own methods of cultivaprove every year by his own experience. He cansequences will weigh heavily upon the farmers of not fail to be emulous of improvement, for he is a constant and interested reader of the Granite the commonwealth. The laws of Massachusetts Farmer, and some other agricultural papers. A provide that a penalty of one dollar be paid for few observations of Mr. D., on the business of the destruction of every robin killed between the the farm, showed so much exact and valuable knowledge, that we have not been satisfied without longer and more minute inquiries en various

matters, of which the following is one:

Speaking of raising vegetables for stock, Mr. and without license from the owner or occupant Dewey took us into his cellar, where was heaped thereof, at any time between the first day of up nearly 200 bushels of beets, the large kind for March and the fourth of July, shall forfeit and stock, called the Mangel Wurzel, and not far off pay to the occupant or owner of such lands the sum an ample store of turnips, earrots, potatoes, &c. The beet yields bountifully, and after five years' experience, Mr. D. is satisfied that the Mangel Wurzel is by far the best vegetable to raise for cupant in an action of trespass." We hope the penalties of the law will be rigorously enforced. To satisfy our enriosity, he allowed us to measure the ground where the beets were grown this year, and ascertain the quantity produced. and that a stop will be put to this wholesale The piece of ground is about eight rods long by murder of the joyous, innocent and useful deni- five in width, containing almost one quarter of zens of the woods. The circular alluded to is as an acre. The rows run across and were about two and a half feet apart. Fvery other row was carrots nearly all the way, there being 30 rows of beets and 24 rows of carrots in all. Every four DEAR SIR,—There is a custom, very prevalent in rows of beets filled a 25 bushel cart, giving in all many sections of the State, of regarding the Annual seven loads, good 175 bushels to the quarter acre, Fast as a holiday, and using it for gunning and shoot-ing. Many thousands of our most useful and beauti-of earrots gave 1,760 lbs. or about 32 bashels to ful birds, to none more useful than to the farmer, the same quarter acre, (or 128 bushels or three

panint instances of this came to my knowledge of the constant I need not say that apart from the pleasure and de- and barn-yard manure put on and plowed in

grass, once or twice a week, as the store will rail against "corporations," the "money-power, and then it is easily done with a sharp shovel in a box for the purpose. Mr. D. has tried and still U uses turnips and carrots, and says he would as by mechanics in the city, I have lately made some soon have in his stock five bushels of beets as inquiry, but with small success, so far as respects four bushels of carrots. The beets do much bet-the collection of facts that can be of use in this ter for sheep than turnips. The lambs are strong-place. I regret this, because I believe the truth er and more hardy. But the beets are especially of the case would do more than anything else to valuable for cows giving milk. They increase satisfy country boys with the farm and its hard the quantity and excellence of the flavor more than work and small profits. any other vegetable. Turnips always give a bad flavor.

gest to those who have not turned their attention statements that had been promised by several city particularly to the subject, what is one of the secrets of raising choice stock, and also the great ever, were the facts obtained, that my article has profit of cutivating well and manuring highly a been delayed, until the question of high or low small piece of land.—Granite Farmer.

For the New England Farmer.

COUNTRY FARMERS AND CITY ME-CHANICS.

taken in their impressions as to the average wages bills I have made out for the last seven years—vaand salaries received by city mechanics, clerks, rying in number from one or two to eight or ten xc. I have often been surprised at the opinions a week—have not averaged over six dollars a expressed by my country friends on this point, and week. am somewhat at a loss to account for so general misapprehension. But then so it is in everything, laged rather over six dollars a week; and I have Let twenty men go to the city, to the West, or to been told by men who have worked there, that the California, nineteen shall utterly fail in their ex-shoemakers of Lynn do not average a dollar a pectations of bettering their circumstances, may day. even die among strangers or by the way-side, or become wretchedly poor, vicious, criminal; one kind of business, and employs some seventy hands, shall succeed as a merchant prince, a rich farm-boasted that his workmen averaged eight dollars er, or the lucky possessor of a large "pile;"—and a week; which he said was higher than the avint the minds of the people, as on the canvas of erage at any similar establishment in the city. the painter, the nineteen will be placed far in the back-ground-mere pigmies, if seen at all-while reason or qualification, that did not appear at in the fore-ground, and in bold relief, stands out first sight. Carpenters, masons, and some others the twentieth, large as life and "twice as hand-have little to do in the winter season. Some some," filling up the whole picture. Thus it is kinds of business depend on the weather; some with wages. The foreman of a shop or overseer are irregular and fluctuating,—now, in a great of a number of hands, in the city, may get his drive; now, nothing doing. A ship-carpenter told ten to twenty dollars per week, while the work-me that five days' work a week was considered a men under his direction earn from five to ten dol- pretty good average for the season, on account of lars, and we shall find, in the country, that every weather, &c. This business, besides, is somewhat body has heard of the twenty dollars a week, unsteady. Before the California demand for shipfive dollars a week.

of itself, is a very dangerous one to act upon. a quarter a day, boarding himself of course, Under its influence many a young man, becoming while his country friends probably supposed he disgusted with the 'fifty cents a day' that are was earning two dellars and a half or three dellars offered for his hard labor on a farm, resorts to the every day. Such are all the facts and figures that city with expectations as vague as they are certain I have to offer upon city wages. I might adduce to be disappointed. I have watched the progress almost any amount of "estimates" and "guesses"

yearly, equal in quantity to the crop taken off. position as peculiarly unfortunate and dangerous. Mr. D. raises his own seed and sows with a ma- From the wages which they regarded as so conchine. He procures different varieties of seed each temptible in the country, they could lay aside year, so as to select choice roots for the raising of from seventy-five to one hundred and twenty-five seed for the following year to improve it.

As to feeding with roots, Mr. D. says they are dence, while in the city they find it is about as exceedingly valuable to keep all kinds of stock impossible, as it is unfashionable, to lay by anythriying, healthy and productive. He feeds them thing atall. They become disheartened, reckless, to all his stock in winter, and till they go out to improvident; turn radicals, agrarians, infidels: hold out, giving about a peck at a time to a cow &c., while they make themselves unhappy by or an ox. He never cuts them except for sheep, brooding over the wrongs of "the working class-

Upon the subject of the average of wages earned

Thus much was written several months ago, So much for the Mangel Wurzel. It may sug-when I stopped with the hope of receiving some establishments. So few and unsatisfactory, howwages is of little importance in the minds of thousands of city mechanics, compared with that of work or no work.

I will, however, here make one or two brief

statements in respect to wages.

Among my personal acquaintances, there are a few who receive from fifteen to twenty dollars a Country people generally are very much mis-|week, at my business, while the journeymen whose

A shoe-dealer in the city told me his men aver-

A friend of mine, who is engaged in another

Where large wages are paid we often find some while not a word has ever reached them of poor ping, the business was so dull that a neighbor of mine went off chopping wood by the cord one This misapprehension, inoffensive and harmless winter, carning seventy-five cents to a dollar and of many such, and have learned to look upon their by those who have good wortunities of forming

opinions on the subject; but these are so low that acres in wheat, yielding 470 bashels-63½ lbs. to I fear to use them, lest my country friends should the bushel. $\,\,$ I raised 2.500 bushels of corn, which think I was joking, or suspect me of exaggerating is only worth, at this time, 65 cents per bushel, purposely to keep them away from the city, and My sale this year will amount to about \$1,800, from competing with us, for the large wages they including pork, grain, hay, &c. I plowed an old hear of. It was with some such feelings, I well re- and very poor field, last year, for corn, having member, that I listened some twenty years ago, spread over the ground lightly with straw, and to a conversation one Saturday night, in a shop sowing 150 lbs. guano to the acre. I mixed the in the city of New York, where I had then work-straw and guano together, and raised 50 bushels ed but a few weeks. The "candid opinion," of the of corn to the acre, working the land with a culforeman was assented to by most of the hands, tivator.—American Agriculturist. that, counting all those in the city, who claimed to be journeymen at our trade—the good, bad, and indifferent, at work and out of work,-their whole earnings, one week with another, would not exceed an average of three dollars a head!

But admitting this to be a wild statement; admitting that city mechanics generally obtain living prices for their labor, there still remains one fact to which I ask particular attention, and that

is, our liability of being out of work.
"Out of work!" How differently this expression falls upon the ears of country farmers and city mechanics! The one thinks only of a holiday. His crops harvested,—his barn, cellar and woodhouse filled, Out of Work has no terror for him ;-only a brief relaxation, a little spell of en-To the other it is the sum of all evil, joyment. the negation of all conveniences and comforts of His house is hired by the month or quarter, his provisions bought daily or weekly, and his fire-wood but little in advance, can he look Out of Work in the face, and not shudder? Must his little ones starve, or freeze, or be turned into the street? He trembles at the prospect: but it is not he alone that trembles,—the millionaire trembles with him, and well he may, for "hunger breaks through walls.'

The riots which have occurred in London and Liverpool, and the hoarse mutterings which have been heard in our cities, should be studied by farmers' boys as a practical commentary upon their ideas of the wages of city mechanics, and of the city as the place for the enjoyment of

Long may our country be saved from the disgrace of deeds of violence committed by starving mechanics, and long too may the farmers of our land appreciate the blesings of that independence which saves them from an appeal to the charity and fears of the community for a plate of beans and a bowl of soup. A CITY MECHANIC.

Boston, March, 1855.

age others.

HOME.

BY AARON SMITH.

There is a simple little word-Oh! ne'er its charm destroy-Throughout the universe 'tis heard, And nowhere but with joy; There's music in its magic flow Wherever we may roam, The dearest, sweetest sound below; That little wor I is Home.

The soldier in the battle's hum May all things else forget; 'Mid bay'nets' flash, and beat of drum, His home's remember'd yet. The exile, doo.n'd on foreign lands Through hopeless years to toil, May do the despot's stern commands, Yet sighs for home the while.

I care not where may be its site, Or roof'd with straw or tile, So that the hearth-fire burns more bright Neath woman's radiant smile : Affection on her fondest wing Will to its portals fly, And hope will far more sweetly sing When that blest place is nigh.

It may be fancy, it may be Something far nobler-far; But Love is my divinity. And Home my polar star. Oh! sever not home's sacred ties, They are not things of air; The great, the learned, and the wise, All had their training there. Mark Lane Express, London.

For the New England Farmer.

PLOWS AND STONE.

Mr. Editor:—I have been a reader of your valuable paper for several years, and with much profit to myself; but among the many able arti-What a Mechanic can be on a Farm.—You eles it is went to contain, a render who resides on or a correspondent asked, in a former number, the cold, rough hills of Massachusetts, cannot but "What a man can do in Virginia." I will tell think how few of them are adapted to a soil hard you what I have done, not by way of boasting, and stony. Nearly all are inclined to foster the but to answer the question, and perhaps encourimprovement of soils, free from stone and easy of age others. I was born and raised in this county, and never nearly all modern improvements in agricultural had any education more than to read and write. instruments are not adapted to the cultivation of I was bound to a trade when young, and after I stony soil—plows for instance. There is a long was free, lived on a farm, and received \$140 a list well adapted to soils free from stone; but put year. When I was twenty-four years old I mar-these implements in a hard, stony soil, and they ried, neither my wife nor myself having any are good for nothing; the old plows of forty or property. We are now worth \$10,000, obtained fifty years ago will do better work. Hence the without any speculation, and in a straightforward cry of gentlemen, riding through the country, that course. I have been married about twenty years, the people, at least a large number of them, obstiwork a farm of 238 acres, which I bought, some nately follow the beaten track of their fathers, reyears ago, for \$22 per acre. Last year I had 24 gardless of modern improvements. Is not this class

mostly those who till a hard soil? If so, the real another, growing remarkably fast, and the flowson is plain that they use the best tools. Are ers which first appear in June are deliciously franot a large proportion of the farmers of Massachusetts and other States tillers of stony soil? grant. Why, then, are they overlooked? Is the soil, or tools incomplate of the soil of th ers unwilling to accept of improvement?

is at the present time, in the whole world, a plow manufactured for the express purpose of tilling stony soil. If there is such a thing in existence, you or any one would confer a favor, known, through the medium of your valuable paper, where it can be found. Until I know of something better than I now do, I shall for one beg leave to follow the good old way of my fathers in this respect.

And again, when agricultural writers recommend deep plowing and subsoiling, do they intend it for a soil filled with stone, the soil itself a little softer than the stone, and supported by a hard pan not quite as high as the third rail of and the plains of the west? If the former, we must have different tools, or request the gentlemen to come and show us how to use those we the power to move it is easily supplied. Any information concerning the above will be thankfully received by

A TILLER OF HARD AND STONY SOIL. New Marlboro', Jan. 20, 1855.

CLIMBING PLANTS.

Among our readers there are thousands of persons who are not farmers, but who, at some day, intend to be, and who are earnestly interested in er. all that pertains to rural employments. They are active business men, with intelligent families, partaking largely of their tastes for country life, and not enjoying that, beautifying the town or city home with such fruit trees, shrubbery and elimbing plants as the limits of their crowded position will allow. Our suburban towns are annually increasing their attractions through this the soil that would produce a good hill of corn, taste for the beautiful, and something of it is finding its way into the country, where grim la-should be pruned cautiously, always being carebor alone has heretofore held undisputed domin-ful not to use the knife and seissors too much. ion.

admiration on beholding a noble vine bending "in pruning climbing roses, the operation must with its ripening fruit,—or a porch or piazza be different from that of the common roses, as it covered with the rich foliage of flowers of the is necessary to retain the whole length of the climbing roses, filling the room, whether of cot-most vigorous shoots, cutting out all the old tage or palace, with their rich perfumes-or the wood that will not be likely to produce fine repulsive walls of a building, covered with the sil-flowers, and pruning down the lateral branches to ver or golden striped ivy or Virginia ereeper.

climbers for the pillars of piazzas, summer-houses, Roses may be pruned in this climate early in the or trellises. The Chinese twining Honeysuckle is spring, before many warm days have come, or in

The Purple or Crimson Boursault rose is quite tools, incapable of improvement, or are its own- a wonder of beauty in the latter part of May, when trained on the wall of a cottage, being then My object, at this time, is to ascertain if there literally covered with blossoms—and it is so har-

The Queen of the Prairies is a superb variety, not on one merely, but on many, to let it be and known by some as the Michigan Rose. The flowers are of a deep rose color, with a white stripe in the centre of each petal. This variety is the most luxuriant grower of its class, making a surprising growth in rich soil. The Baltimore Belle is another perfectly hardy plant: the flowers are a pale, waxy blush, almost white, very double, and in large clusters.

The Virginia Creeper or American Woodbine, the fence? Or is it for the soil along river banks is a hardy, rapid growing, and exceedingly ornamental plant. It is a native of our woods, and climbs rocks and trees to a great height. The now have. What we want is, a plow that will flower is of a reddish-green, and not showy, not be frightened at the sight of a few stones, as which is succeeded by clusters of dark-blue, nearly black, berries when mature. At the same period the fruit-stalks and tendrils assume a rich crimson or red color. The leaves are not evergreen like those of the ivy, yet in autumn, they far surpass those of that plant in the rich and gorgeous colors which they then assume. The reader is referred to Emerson's work on the Trees and Shrubs of Massachusetts, for a full description of this interesting and beautiful climb-

We have now spoken of eight varieties of climbers, all hardy and exceedingly ornamental when vigorously grown. These would give character to any garden of considerable pretensions, and any three or four of them would render our rural gardens or lawns highly attractive. They require no uncommon skill in their cultivation will sustain any one of these climbers. They The dead wood should be removed. In his ex-All persons, of all ages and conditions, express cellent "Book of Flowers," Mr. Breck says that one eye." But after all, the manner of pruning The Scarlet Trumpet Honeysuckle, the Yellow must be left to the good taste and judgment of Trumpet Monthly, and the Evergreen Scarlet the cultivator, rather than to any strict rules-Monthly Honeysuckle, are hardy and beautiful the proper way will generally suggest itself.

June. Our practice is, however, to prune nearly effects on my own land during the fore part of all trees and shrubs that require it, in October, the season were strikingly manifest in the deepand it has been attended with good success.

and value can be obtained at so cheap a rate, as partially realized, the increase of the crop not by the cultivation of a few of these plants about being worth more than half the expense of the our dwellings. Downing says "the cottage in manure. I may say that most of the land to which this dressing was applied became too dry fort and happiness which we wish to attach to much by any kind of manure. such a habitation, and chiefly because it stands bleak, solitary, and exposed to every ray of our which is rather wet and not liable to drought, summer sun, with a scanty robe of foliage to shelter it. How different such edifices, however humble, become when the porch is overhung with about four acres of potatoes, generally in the hill climbing plants,—when the blushing rose-buds or drill, according as the potatoes were planted; peep in at the window sill, or the ripe purple sometimes it was used alone, and at other times clusters of the grape hang down about the eaves, with plaster or some other fertilizing agent. I those who have seen the better cottages of England, well knew. Very little care, and very rience of that season would furnish me some data triffing expense, will procure all the additional by which I might benefit myself or others in fubeauty; and it is truly wonderful how much so ture. Vain hope! My crop, which appeared little once done, adds to the happiness of the promising at first, was nearly ruined by drought. Of course I cannot say what the effect might inmates. Every man feels prouder of his home, have been under ordinary circumstances. when it is a pleasant spot for the eye to rest upon, than when it is situated in a desert, or over-applied too much of it on or near the surface to grown with weeds. Besides this, tasteful embel- realize the greatest amount of benefit from it in lishment has a tendency to refine the feelings of so dry a season. every member of the family; and every leisure hour spent in rendering more lovely and agree-But instead of taking up more space in detailing able even the humblest cottage, is infinitely better past experiments, I will briefly give you some of employed than in lounging about in idle and the conclusions to which I have arrived as the useless dissipation." Now is the "time to work"—let one beautiful elimber, at least, be added to your grounds this spring, even if you a crop. have but a square yard to occupy.

For the New England Farmer.

"ALL ABOUT GUANO."

My experience in regard to this fertilizer, like that of most of your readers, is quite too limited for furnishing reliable information on so important a subject; but such as it is, it is at your dis-rity. Such soil possesses of itself resources, posal.

I have made some use of guano for the two last seasons—the first was on a very limited dinary circumstances, more economical and profscale but so, beneficial were its results that I was itable without, than with extraneous applicainduced last spring to purchase two tons of it, at tions. a cost, delivered by railroad, of about \$112.

on garden vegetables. About half a ton of it was and carbonaceous matter, has also become unapplied as a top-dressing to some four or five fitted, while in such condition, for the economiaeres of old meadow land, after having first been cal use of guano or any other powerful fertilimixed or composted with about an equal weight zer.
of plaster, and some twelve eart loads of rolled turf. This was applied in April, and a short those plants which derive their supply of food

er green and more forward growth of the grass, It is seldem the case that so much real beauty bountiful crop. These hopes, however, were but

I design this spring to use some of it on land

I also used guano on corn in various ways, but

I have no doubt that much of it is yet in the ground, and will show itself the coming season. result of observation and experience, in the use of this and other highly concentrated manures.

1. Powerful fertilizers, alone, never will make

2. Everything depends, so far as human instrumentality is concerned, on the use that is made of them, not alone, but in connection with such other constituents and appliances as are

adapted to secure the desired result.

3. A very rich soil, or one that abounds in vegetable and organic substances, does not need them; unless it be to give the crop an early start in the spring or to hasten its growth and matuwhich only need to be properly developed in order to render the production of a crop, under or-

4. A soil that has become so impoverished as I made use of it on various field crops, and also to be almost, or entirely, destitute of vegetable

This last remark does not apply so strictly to time after its application, a powerful rain com-largely from water and atmosphere, as to others pletely inundated nearly all the ground on which which depend mainly on the constituents of the that been spread, and remained on it or constitued to flow over it for two or three days. An phere. Such crops as onions, carrots and paradjoining field of my neighbor's bore ample testining, it is true, feed largely on water, but only mony to the enriching properties of the water which flowed from my land on to his. But its the soluble portions of earthy matter of which

that in the production of a plant, not an atom of ceedingly gilled. Not one of them was there matter is called into existence, but merely a who did not rank in beauty, intellect and pertransfer of atoms from one condition or mode of sonal physical power a good way above mediexistence to another. As man has not the conjectity. They all had more then common educatrol of the atmosphere, his only alternative is to tional acquirements, for they learned easily. The provide for the wants of animal or vegetable life girls all married early, and to young men of in the soil. If nature has not made such provides the provide a Themen all married—and to revisions, it will certainly be found to be a very speciable women. Yet all remained poor. Their expensive way of doing it by the use of guano failure was directly attributable to a want of alone, especially for the cereals, which require order. Not one of them was ever known to do a suggestions for the use of guano.

and then give us the result of your experience?

Bristol, Ct.
C. BLAKELY.

HOW A THRIFTLESS FARMER WAS REFORMED.

it in its place, if you have a time to do business, He waded the drifted and undrifted snow till he and do it in its time, you will find that you will reached the spot, when, behold! instead of the "drive business" instead of business driving you, horns of a buck, there stuck up the two handles and so will have leisure instead of constant worry. of his plow. He was very angry, and started to It pains me to see some men undertake any business of moment. They are as sure to become enasted to become enasted as ever a voice spake, say, "Erastus Wilson, you tangled, and thrown on to their backs, their business a-top of them, as they are to undertake it. in the snow. It is by such heedlessness you have Take farming for instance. Now I venture the come to poverty. Pick up your plow and take it assertion that two-thirds of all the farmers in this to the barn.' State are burning green wood this terrible cold He immed weather. Go into their houses, and you hear the means he did it he never could tell. But through sisisng of the beech, or maple, or clim, as like to that deep snow and over the drifts he dragged the death-dirge of a cockroach as can be. Out the implement to the barn. Once there, he took of the chimney tops comes forth smoke dark as a raw hide, stripped himself naked, and addressed Tartarus, and there wives and hired girls are himself: cross as bedlam. These men could not find time "Erastus Wilson, you are a mean, dirty, porto cut there wood and have it seasoned. Now I erty-stricken man. All your long life you have charge it on you, that you fail not to have time been too lazy to save what you have earned, or to do all that you undertake—in order. Every too careless to do it. You deserve a flogging, day accidents, casualties, catastrophes, providences are taking place, because men, women and children have not time to do things as they ought to be done. I must tell you a story—which is a them. You deserve a good flogging, you careless to be done. I must tell you a story—which is a them. You deserve a good flogging, you careless fact. When I was a low there is not in my notice than the body and you shall have it. I must be a like the shall be like the shall be a like the shall be a like the shall be a like fact. When I was a boy, there lived in my native blockhead, and you shall have it; and he laid village a family by the name of Wilson. There the raw hide on to his body, legs and feet, till he

they are composed. It should be borne in mind were four boys and four girls, and they were exvegetable matter for the production and perfect thing in its time, nor have a thing in its place—tion of their kind. I will here venture a few with one exception, and he is the hero of my stoggestions for the use of guano.

ry. Of one of the girls I may say truthfully I. If your corn ground is cold and heavy the that for over thirty-five years she has never seen fore part of June, and the plants appear yellow the sun rise, always going to bed past midnight and sickly, apply a little of it directly to the and rising past midday. But to my story. Erashill; if a little of it falls upon the plant, it will tus Wilson was a farmer—a shiftless, slovenly, seldom sustain any injury. The gain in the crop disorderly, slip-shod farmer. The winds and the will probably be three or four times the cost of waters, the sun and rain, darkness and broad day, all conspired to do him harm. His gates 2. If you wish to raise corn-stalks for fodder, were unhung, his hogs' noses were unwrung, his by all means use guano, and save your barn-sheep could leap his fences like wild deer, his cat-yard manure for other crops. I do not think the were seen with boards over their eyes, great guano as good as yard and compost manure for spiked chains on their necks, pokes on, and "tied making ears, but it certainly is good for mak-head and foot." His horses were as thin as a ing stalks. If you apply it to some remote cor-Rhode Island spare rib-you could see sunrise ner of your farm on to which you cannot con-through them. His windows had old hats, old veniently cart other manare, all the better, whether coats, old newspapers, and shingles, instead of er for this or other crops.

3. For potatoes, a compost, made of guane covered with grass, and around and about him and well pulverized muck, would, ie my opintum the spirit of decay seemed to brood. Yet he ion be preferable to barn manure, and less liable worked hard, did not drink, nor gamble, nor to the rot. Will you try it in some of these ways, quarrel. In fact, he was a pious man, but he did every thing at the wrong time and in the wrong way.

Thus he lived until his hair turned gray, and poverty sat at his table an acknowledged member of his family. One cold December day he was going to his barn, and it happened that he lifted [We copy the following story from one of Dr. | up his eyes, and afar off in one of his lots he saw Glen C. Haven's Letters to his Son, published in sticking through the top of a snow-drift. He was all alive. He would make a conquest—so If you have a place for every thing, and keep over the fence he leaped and made for the deer.

He immediately set about it, and by what

three years his farm, his flocks and herds all ours! Printed and bound beautifully. bore the evidence of being under the guidance of a spirit whose energies were of the amplest order. About this time he sickened and died.

NEW BOOKS.

dener's Companion, with a Calendar. With elegant Illustrations. This is another work from the distinguished agricultural publishers, Saxton & Co., New York. We have examined it with some care, and believe it will be found serviceable caused the clover to come in very thick; but to every man who cultivates a garden.

It treats, in the first place, of the fruit and kitchen garden in general,-of situation, shelter, water, soils and manures. Then of the fruit garden,—of the propagation of fruit trees by seed, with common manure, and then a small handful by layers, by grafting, and planting and training of phosphate put in the hill. It was not measof fruit trees. Something, also, of the grape vine, the best piece of corn in these parts—far better fig, peach, nectarine, &c., and of the small fruits, than my other pieces that were spread and the currant, strawberry and blackberry. It then dunged in the hill liberally. briefly describes nearly all the vegetables usually of sowing and tending them. The flower garden next, and the construction of furnaces, the modes of heating by steam or hot water, and the admission of light and air minutely described and illustrated by cuts, so that the whole process is As I said last year, so I say this,—for corn, give plain.

duties for each of the months, and a select list of fruits. The modes of grafting, budding, of horizontal and fan training are all illustrated by good engravings.

"The work is pre-eminently suggestive. The Secretary of the Royal Caledonian Horticultural Society, and adapted to the United States by G. the roots in autumn. Emerson, a gentleman eminently qualified for the work. Price \$1.25.

Breck's Book of Flowers. J. P. Jewett & Co., Boston. By Joseph Breck, Seedsman and Florist, and a gentleman who knew what he was over our file for 1817, we cast our eyes upon the about when he prepared this agreeable and useful prices current of February of that year; and as

raised great wales, he skipping around the floor ment it is excellent, and its topics are treated raised great wates, he skipping around the noor maked and screaming, while he would say, "Leave your plow out! will you? Pretty farmer you are, aint you? I'll see if I can't teach you better." Thus he flogged himself most soundly, If any young lady will look over its pages for dressed himself, and went in. From that flogging half an hour, and then confess that she has no tracked for a garden and flowers, why, then, she he came forth a changed man. He was prompt, taste for a garden and flowers, why, then, she orderly, saving, and up with the times. His isn't fit to have the care of children, that's cerneighbors were surprised. His family were want at any rate, we would not let her teach

For the New England Farmer.

ABOUT GUANO AND SUPERPHOS-PHATE.

I took pains early in the spring, when the rain The Practical Fruit, Flower and Vegetable Gar-was pouring down in torrents, to go about four plaster would do equally as well, if not better, as it is plainly to be seen half a mile distant, where the plaster was sown thickest; but on corn I was pleased with its effects. The best corn I raised was on a piece that was spread lightly

A gentleman of our town had an aere of worncultivated in the kitchen garden, and the manner out, sandy land, which he did not consider worth eultivating; on this I sowed, on the 12th of is also described, its soil, walks, edgings, &c., then planted it with an early kind of corn, putting and many of the flowers enumerated adapted to 75 lbs. of phosphate in the hill, and the result the various seasons. The forcing garden comes was a very good piece of corn, and ripe in good

In September last I seeded down some land, sowing part with phosphate and a part with guano; the result you shall have in due time. me a tablespoonful of phosphate in preference to To these is added a calendar of horticultural any other manure in the hill; but you want to spread some other manure and plow in deep, that the corn roots can feed upon in August and September. This is of more special benefit to espalier training, training of wall trees, and those who have moist, hilly land, that cannot be worked early. If the manure is put in the hill, the heat of the sun causes it to burn up and leave a dry mass at the roots, and thus not only "The work is pre-eminently suggestive. The the virtue of the manure is gone, but it retards reader will be surprised at the amount of valuthe growth of the corn during the whole season; able thought and accurate information herein while, on the contrary, if this had been plowed embodied." It was prepared by Patrick Neill, in and phosphate put in the hill, the latter would have given it a good start, and the former would have been incorporated with the soil, ready for

Yours truly, L. W. Curtis. Globe Village, March, 1855.

PRICES THIRTY-SEVEN YEARS AGO. - Looking work. In its comprehensiveness and arrange-an evidence that the present prices of many lead-

course higher.

Bacon, 15 cents; barley, \$1,25 to \$1,50; beans, \$4 to \$4,50 per bushel; butter, shipping, him kindly, and he will be gentle in turn, and 82.10; coffee, 19 to 21 cents; very \$\frac{1}{2}\$ to \$\fr to 25 cents; brown, II to I5 cents; teas, hyson, \$1,70, hyson skin, \$1, southong, 68 to 75 cents. — $Portsmouth\ Journal.$

For the Vew England Farmer.

CRUELTY TO ANIMALS.

"A merciful man is merciful to his beast." Tried by this test, the number of those who can ruin of his team and his own disposition. appropriate the promise made to the "merciful" must be few indeed.

Touching this matter, there is a lamentable defeet in our education. Children are not taught, as they should be, that brutes have nerves and are subject to pain, for aught we know, as acute as human beings; and that to needlessly inflict pain even upon a worm, is inhuman, not to say sinful.

Inhumanity to man everybody condemns. And who does not know, that the boy who can remorselessly rob a bird of her eggs, and destroy her nest, has taken the first step in his education

towards heartless tyranny?

which this tendendy to ignore the feelings of upon an improved system of protection from fires, brutes manifests itself. The patient ox who tills by Joseph Bird, Esq., of Watertown. our ground and bears our burdens, laboring when and where the interest or caprice of his owner may dictate, till, by reason of age, he is worth more for the butcher than for the team, deserves destruction of human dwellings, and often of huwhile he lives, to be well-fed and kindly treat- man life, and remarked that no subject was more ed. How seldom, alas, is this his fate! We oc-important to the community, either socially or casionally see a man driving oxen, who seems to be conscious that they can feel. But oftener far, the teamster seems to regard skill in the use the matter, he read an extract from Silliman's of his implements of torture, as the perfection of Journal, in which it was stated that great fires his art. Consequently he is incessantly belabor-had invariably preceded the periods of great coming the faithful, submissive beast with his cudg el, whip, or goad, whenever he thinks his blows will occasion the most pain.

In some parts of New England, especially in Maine, teamsters use what they call "goads." This consists of a rod with a spike in one end about half an inch in length. With this they perforate the skins of the poor animals, as often

as they need exercise or recreation.

The savage who fills the flesh of his victim with barbed arrows and lighted pitch pine splinters, may plead his belief that thereby he shall propitiate the Great Spirit. For this wanton cruelty of the teamster, no apology can be found in Pagan, much less in Christian ethics.

Then the idea of whipping an ox to make him father who, being much from home, was wont to fire, and after they get there no reservoir of wacall his boys together Monday morning, and ad-ter is at hand for their use. Their efforts are

ing articles have not come up to that time, we give minister to each a severe flagellation; reminding a few samples. The prices given, it must be rethem, if they denurred on the score of innocence, collected, are the wholesale; the retail were of that they would merit it before the close of the week.

Like begets like. Be gentle to the ox, treat

The whip-ster on the other hand, making so many and such unearthly noises, that in the days of our grandfathers, his approach would be mistaken for an incursion of savages, and pounding and punching and pricking all the spirit, animation, courage and strength out of his team, getting "stalded," as they say in Virginia, at every tight place, accomplishes nothing but the

If I shall have induced one individual to adopt a more humane and more rational course in the management of working oxen, I shall not have written in vain. R. B. H.

LECTURE ON AN IMPROVED FIRE SYSTEM.

Reported for the New England Farmer, BY WILLIAM W. HILL.

In lieu of the usual discussion on agricultural matters, the attendants upon the Legislative Agricultural Meetings were on Tuesday evening last, Working Oxen.—There are various modes in treated to a well-written and interesting lecture

> The lecturer opened with an eloquent portrayal of the characteristics of fire as witnessed in the mercial distress in this country, and the theory was broached that they exerted a vast, if not a controlling influence upon the financial condition of the community. In proof of this the great fire in New York in 1836, and the numerous fires which occurred in the United States the last year, were cited. It was estimated that the annual loss from fire is \$18,000,000, but the speaker believed that the losses were nearer \$25,000,000.

He then proceeded to discuss two points—first, is our present system for the prevention of fires, efficient? And second, can it be made efficient without too great an expenditure of money? To draw, seems to me unphilosophical. As with chil-the first proposition he replied no. In the coundren, it may sometimes be necessary to inflict try, the engine is often a mile or two from the bodily pain in order to bring the will into subjec-burning building, and time is required before the tion. But this whipping an ox by way of preparation to draw, reminds me of the provident firemen can assemble to take the engine to the

destroyed. The same is true in a great measure be indefinitely increased, and the chances of loss in regard to cities. This displays the inefficiency by fire consequently vastly lessened. of the present system. Before the department Barnicoat, the late veteran chief of the Boston can get to work, they are powerless before a sea Fire Department, had told the lecturer that he of fire. Our engines are so large and costly, and considered the present engines in that city as too it takes so many men to handle them, who also large, and that smaller ones would possess great want compensation, that it is put out of the pow-advantages over them. er of nearly all country towns to keep a sufficient number to meet all emergencies.

forcibly argued that the present system could teeted from sudden fire, and thus the lives of the be made more efficient, and cheaply too. By the inmates are greatly hazarded. This danger could substitution in Cambridge, for instance,-where be obviated by having a small engine in the they maintain several large engines at an annual building. the immediate neighborhood of one of these en-|cendiarism. gines, which could be worked with less than half ground in a very few minutes after the alarm was given. They would also tend to lessen the be in the way of the incendiary through the celerity with which fire can be extinguished with them. They would put out ten fires where a large one does one. Numerous cases were cited to sustain these views.

There are more than one hundred towns in this commonwealth, which are entirely unprotected, while the whole farming interest is in a helpless condition in case of fire. The small engines, the speaker said, had been tested, and found fully competent to do all that large engines could do, and more than that, would put out a fire before large engines could be brought to the spot. Their efficiency has been witnessed by great numbers WASTE OF MANURES----MUCK----HOPS. of people. The lecturer's plan is to have a fire department including both small and large engines, the former to act chiefly as preventatives engine upon the first breaking out of the disastrous fires which have occurred in San Francisco, millions of dollars might doubtless have been saved.

Another argument in favor of small engines is, that where a town introduces ten or twenty, the ness, will introduce others as a special protection

consequently almost useless, and the building is for their own premises --- so that the number will

Another consideration urged by the lecturer was, that our numerous school-houses, academies, Taking up the second proposition, the lecturer colleges, alms-houses, &c., are entirely unpro-

expense of \$11,400, and valued \$20,000,-of Upon the conclusion of the lecture, some re-100 small engines costing \$25 each, with thirty marks were made by Mr. Wm. Hall. Representafeet of hose, which would throw a three-eighths tive from Bradford, who commended the views inch stream upon the roof or into the windows advanced by Mr. Bird, and cited cases where his of any ordinary dwelling house, having them dis-lobservation corroborated the statements made by tributed in different parts of the city, they would him. He also alluded to the bad moral influences in less than one year pay for themselves by the which cluster around the present fire system, and decreased losses from fire which would follow by which operate so unfavorably upon the young such a system. Nearly every dwelling would be in men connected with them, and lead often to in-

Mr. Buckminster, of the *Ploughman*, suggested of the labor now expended upon the large ones, that hogsheads of water might be kept on hand and half a dozen of them could be upon the in farm houses, as a precaution against fire. On his own place, he kept a pail of water in each room in the second story, and although a simple losses by fire, in the obstacle which they would precaution, it might, notwithstanding, prove very effective in an emergency.

> Mr. Darling, of Boston, made some statements illustrative of the immoral character of fire companies, under the present system. He advocated the feasibility of using small engines, and thus diminishing the number of large fire companies.

> On Tuesday evening next, the present series of agricultural meetings will be brought to a close. It is understood that Governor Gardner will preside on the occasion. The subject for discussion has not been announced.

> > For the New England Farmer.

Mr. Editor:—Though a pastor, I have ever endeavored to impart important instruction to my people on agriculture. Nor do I consider this a departure from my appropriate sphere, any of destructive fires, and the latter on lofty build-more than when I advocate and endeavor to illusings and where the fire has made great headway trate the importance of improvement in schools. before being discovered. By the use of one small When I see my people suffering loss from exposing engine upon the first breaking out of the disasmanure to all the winds of heaven, and all "the peltings of the pitiless storm," I feel it my duty to expostulate with them. And when I see them utterly regardless of the kind provisions of Providence in the inexhaustible beds of what Dana calls "vegetable cow manure," abounding in this section of Vermont, I cannot fail to charge them citizens, witnessing their efficiency and cheap-themselves, to the community and to religion.

The greatest mistakes of farmers in this county

plowed to the depth of ten or twelve, instead of ting and feeding out the grass on the one acre-

deterioration of the soil, and a deficiency in bread-year. It is but fair to presume that cattle stuffs and fodder. To say nothing of hop growing trample down quite as much grass in the pasture in its relation to temperance, I must regard it as as they eat, while the too frequent crappings a serious evil to the true wealth of every agribinds the sod and hardens the surface of the soil, cultural community. Whatever tends to lessen If soiling cattle is, in the end, cheaper than the the quantity of manure, or to use up the strength pasturing of them, then the thirty-five millions of the soil, must in the end prove injurious.

Respectfully yours, Sanuel W. Hall.

Brownington, Vt., 1855.

For the New England Farmer.

SOILING CATTLE.

which he assumes that the expense of keeping gate productiveness of his land. cattle, herses, sheep, &c., during our New England winters, exceeds that of keeping the same the surface of the calculation. Mr. French must necessary. The question, however, is a very interaction and a good deal portant one to fruit-growers, and I dislike to of it, to pasture eattle during the winter, and hazard a positive opinion until I feel positive. that lands thus grazed the whole year round, without opportunity to rejuvenate, must graduof South America are raised more cheaply than longer. our demestic cattle; but we do not learn that be raise! cheaper because there is no winter.

regard to the hay crops, that I have taken Mr. French's remarks for a text. My real object is custom. to say a few words upon a subject which those, Soar versus Hens and Crows.—Mr. Levi D. Cowles, informs us that he and his of cattle. In England, where the price of land is exceedingly high, (although the pastures are more productive than ours.) this mode is fast becoming one of ahoust universal practice. It consists simply of moving the grass and feeding it out to the cattle, both summer and winter, instead of pasturing them through the summer. It takes about ten acres of our common pasture land to keep a cow well through the summer; while one acre, well cultivated, will perform the land to keep a cow well cultivated, will perform the land to keep a cow well cultivated, will perform the land to keep a cow well cultivated, will perform the

are in the two particulars above mentioned, same service, if the grass be cut and fed out. Another prominent error is too shallow plowing. Where the price of land is high, it will take but The soil in this county is generally very deep—in few figures to show that the interest on the cost many tracts two to three feet—and should be of the extra nine acres, far exceeds that of cutfour to six inches. The farmers who plowed to the southing of the great saving of manure by the greatest depth, suffered the least from the the soiling process. It is, I believe, the unidrought of the last summer.

In one or two of our towns, hop growing is is the cheapest process, aside from the fact that becoming "the mania," one of the results of it is a conservative mode of farming, and greatly which is already being experienced—an obvious increases the productiveness of land from year to determine of the soil and a deficit near in bread, were the last four to presume that central and the soil of the grid and a deficit of the soil worth of hay, used up of a winter in New Eng-"land, is well expended.

I really wish some of our milk-farmers in the neighborhood of Boston would try the experiment of soiling their cows, and give us the results. It is an experiment which cannot be tried fairly in one year or five; but I candidly believe In the Farmer of March 31, Henry F. French, that, in ten years, any farmer trying the experi-Esq., gives us his "Thoughts on Climate," in ment, would be astonished at the increased aggre-

Somerville.

P. S. In regard to my article on the subject of number of animals in a southern climate, where growing fruit trees, you expressed regret that I they obtain their own forage, by the total amount did not give my experience as to the proper time of our hay crop. This crop in New England is for triuming them. The cause of the omission estimated at thirty-five millions of dollars; and, lies in the fact that I have not jully made up my if the assumption be correct, it is certainly a own mind on the subject. From what experi-yretty large expenditure in the competition of ence I have. I incline to the opinion that about climates. I hope, however, that none of our the time of the fall of the leaf, is the best for New England farmers will be induced, by this trimming on all small shoots or suckers, and that array of figures, to emigrate to the south—at the fore part of June is the best time for cutting least, not until they have looked a little below off larger limbs, where such amputation is deemed

Remarks.-We think the remarks of Mr. French ally deteriorate, though they be composed of the agree with those of "E. C. P."—that, upon the richest alluvions of the southern valleys. It may whole, it is best to remain in New England awhile be true that the wild cattle of the great pampas whole, it is best to remain in New England awhile

We believe there is no one operation in which those who eatch and kill them for their hides the farmer acts so much in direct opposition to his and tallow, become more wealthy than our New interests, as in that of pruning his orchards. The England farmers. When those immense plains are parcelled out into farms, it will be time enough to stile the question whether cattle can giving mortal wounds to many a fair and promising tree, and this is done against the laws of vege-It is not, however, with a view of discussing table physiology, and contrary to the plain printhe relative advantages of different localities in ciples of nature, merely to conform to an old

Soap verses Hens and Crows.—Mr. Levi D.

Nash's Farmer.

HIGH PRICES.

eighty dollars was considered a high price for a over-estimate to say that a quarter of a million horse that now sells at two hundred, and sixty of men are, at the present time, called away from dollars would buy a likely yoke of six and a half laboring on the earth by the pending war! foot oxen, which will now bring a hundred and twenty. A good cow which used to be thought especially from Ireland, has materially lessened dear at twenty-five dollars, now cannot be hought the productive force of that nation. Much of for less than fifty, and so through all the prices this labor has gone to Australia, where it is emof live stock. Again, the prices current, at re- ployed in digging gold, and in the preparation tail, in all the principal towns of New England, for a new mode of life. Emigration to Kanzas show that butter is worth thirty cents a pound, and the West generally, has, in some localities beef from ten to fifteen, potatoes a dollar a in New England, been so extensive as to lessen bushel, hay about twenty dollars the ton, and the value of farms thus deserted, and the labor the rest of our products in proportion. These of those emigrants, thus interrupted, cannot for prices are nearly double those of the average some years be applied to the soil so as to return prices of the last thirty years, though we are to the markets its former amount of products. not forgetful of the high prices of 1836 and 7, The unusual influx of gold into this country and which, by the way, are readily accounted for, by Europe, has doubtless an effect to produce an the general inflation of the paper currency and apparent increase of prices. We say apparent, credit system, and the speculating mania of those because an influx of gold, like an inflation of the times.

better than usual account. We can afford to continue. expend two dollars a ton, beyond our usual cents a pound.

war in Europe may be named as one of them. of demand and supply be again established. Eighty thousand men, it is said, have already armies of those nations, and those who are indi-expense.

powers, who watch, with drawn swords, in pre- rewarded. paration for battle, the issue of the pending con- Let not the farmer be behind other men in

test, uncertain when they may be called on to Within the memory of every grown up man, engage in it, and it would not perhaps be an

Again, emigration from Great Britain, and paper currency, adds nothing to the real value It concerns the farmer, now, to inquire a little of property. Its effect is merely to make money into the eauses of the present extraordinary less valuable, so that more of it is given for artiselling value of commodities, with a view to de-eles of real value, as the products of the earth eiding, if possible, what course is best for him to and of the arts. So far as this cause has operated pursue, in the production of them, for the market. to raise prices, we can apprehend no sudden If such prices are to continue, he may well con-change, for the production of gold seems to be sider, whether he may not take such advantage already a regular business, as uniform in its reof them, as to turn his labor and his land to sults as other pursuits, and will probably so

There seems to us no immediate prospect of amount, to produce our crop of hay, when it peace among the nations. The labor which may be sold at six or eight above its common should go to feed the hungry and clothe the price; and we may hire a little more help in the naked, is descerated in mutual destruction, and dairy profitably, when butter is worth thirty another harvest, at least, must be gathered, before the poor survivors of the battle-fields find What causes the present high prices? We their way to their native lands, to renew their will not pretend that we can answer this question accustomed employment; and many years will with entire satisfaction to ourselves, yet there pass, before the effect of this awful violation of are facts, within the knowledge of all, which, no the beautiful system of Providence, which gives doubt, tend to produce this state of affairs. The bread for labor, will cease, and the regular laws

We believe that the products of the earth must perished on the side of England and France, continue to bear a high price, at least through before Sebastopol. Add to this number, those another winter. It becomes the farmer, then, to who have been enrolled in the armies of the make his plans, so as to have little to buy, and allies, above the number of the regular standing to make his products large, even at an unusual

reetly turned from their accustomed pursuits, to We are no advocates for lavish expenditures, convey troops, carry provisions, attend the siek, but we believe that the farmer may safely employ and the like, and we have probably an hundred more labor than usual this season, and may juthousand men, in England and France alone, with-diciously expend for manure, both of the stable drawn from the business of cultivating the earth. and for guano and superphosphate of lime, and Add to those an equal number, engaged in the plaster and ashes, more freely than heretofore. service of Russia, and the vast increase of the He may feel assured that his own labor, skilfully armies of Austria, and of most of the European applied to his farm, will be, this season, liberally

make up, by foresight and skill and energy, what were watering your garden all summer, and I he lacks in the natural fertility of a New England wondered why you should be doing that when

HOW TO ENRICH A GARDEN.

casion to occupy a new garden. It had been worn by continual cropping without manuring, till it family. And as that was applied to a half acre would not produce half a crop of any thing. I of worn-out land for only a part of four months had no manure to put upon it. I could have in the year, I came to the conclusion that had bought open barn-yard manures, that had been the whole been judiciously applied one entire year, washed and bleached through the year till most of it would have been amply sufficient to keep, in a the salts and all the urine was gone, but I thought high productive order, two acres. But in this estiit would not pay well. Nor could I any better mate, I have not included the exerement from the afford to cultivate a garden to the halves. There privy. My opinion was then formed, and has was a half acre in the garden. I planted about been confirmed by later experiments, that the one-third of it to white sugar beet. The remain-manure from the family would be amply sufficient der to corn, potatoes, peas, beans, squashes, mel-to enrich as many acres for all the purposes of ons, cabbages, tomatoes, onions, &c. &c. There agriculture, as there are members in the family, was one thing that I could do. I had a family of and this, too, exclusive of absorbents to be used. five, three adults and two children, one an infant. I placed a half hogshead, convenient for amount could be easily doubled or quadrupled receiving the dirty slops of the family, including even. And this would be the true way of saving the urine of the chambers. This was filled about and using the liquid. With the expense of one-once a day through the week and two or three half ton of guano, in permanent fixings, any times on Mondays. My method of applying it farmer could make from his house one ton a year was this: at evening I began at one end of the through several generations. It will certainly garden, and with a pail and dipper, I threw it pay. J. L. Edgerton. Georgia, Vt.-Country upon the hills and beds of every thing I planted, Gentleman. till the tub was emptied. The second evening, I began where I left off the first, and continued on till the tub was again emptied. So I continued till I had gone over the whole garden. I continued OF CATTLE. ued to repeat the same process through the entire season, or until the garden had become so matured ground wherever it was naked.

barn-yard manure and plenty of time to work his at others it would fill to overflowing, with the garden. He often boasted of having had the best same outlet. Sarden in town, and thought he should have the best, notwithstanding mine. But no sooner were the gardens both well up, than the Dr. began to show signs of suspicion that he should be beat. About the first of July he came into my garden and said, "I have come to inquire into the secret of your power over the vegetable kingdom. The the head of extras, the highest price paid as well as the lowest? For we in the back ground want me. Your garden was plowed once, mine twice, to know what is going on, as well as the rest of and dragged well. Yours was run down and had the folks. no manure, mine was in better order, and besides, had plenty of manure. Mine also has had a little better attention than yours, and now the first of July, yours is certainly thirty if not fifty per cent. ahead of mine. Tell me what you have done to it." "Well, Dostor, come with me into my wood-house," said I. "There, that tub, with the wood-house," said I. "There, that tub, with the help of my good wife, contains all the secret there friends, EMILY F. and HENRY B. HANTORD, of is about it. I have been feeding my garden just Waukeshaw, Wisconsin, for seeds and scions of as you do your pigs." "Well, now I see what the cral-apple.

watching the signs of the times, and let him you have been doing all summer. I supposed you there has been plenty of rain. Now I see the mystery.

That garden, Messrs. Editors, had the reputation of being the most thrifty and the most pro-Messes. Editors: -A few years ago I had oc-ductive of any garden in the county. That was

OF CATTLE.

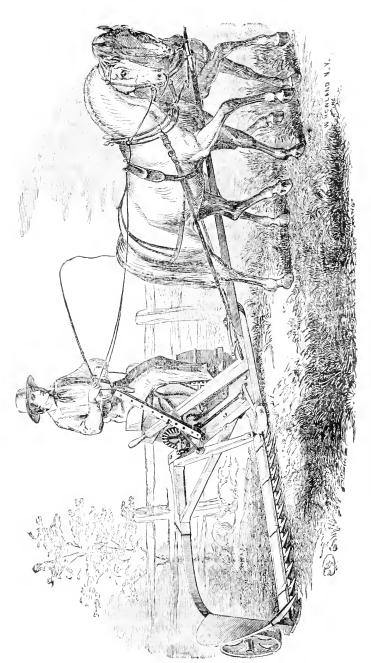
I would like to propose one or two questions, as to need no more food. The first time going for you or some of your able contributors to exthrough the garden, as the seeds were not up, I plain. Last season, it being very dry and water used a large watering-pot, with a coarse nose, searce, I thought it would be a good plan to The second time through, I used the pail and dipper, and applied the liquid around the young plant. As the plants became large and nearly covered the ground, I applied the liquid to the came, where I had four feet fall from the bottom of the well to the top of where I wanted my of the well to the top of where I wanted my And now for the result. I had a neighbor, Dr. trough to stand. I dug my ditch, put down my C., a competitor in the gardening line, that sum-lead pipe, and it worked finely. But the query mer. His garden joined mine, the same size and is this: I have observed that, for some few nights the same quality of soil. He had plenty of open in succession, the trough would not get full, and

Now will you, or some of your correspondents, rapid growth of your garden is a great mystery to as the lowest? For we in the back ground want

Yours, and the friend to all farmers, A. S. Worthen.

New London, N. H., Feb., 1855.

Remarks.—Will some correspondent reply?



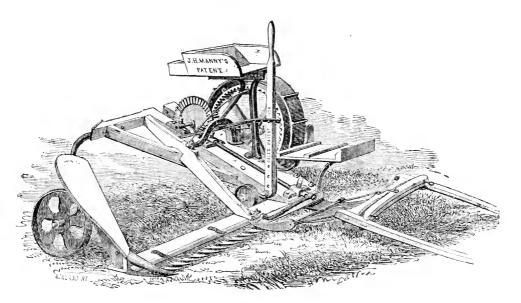
MANNY'S IMPROVED MOWING AND REAPING MACHINE.

MANNY'S IMPROVED MOWING AND REAPING MACHINES.

the farmer such new machines and implements, and drying days, when hay makes rapidly and and improvements in old ones, as will best facil-well, is not of sufficient length to allow us to itate his operations, and enable him to transfer linger, or to neglect any modes by which the a large amount of labor from his own thews and work may be done quickly. sinews to the horse and the ox and the machine. The suggestions of a scientific mind will enable indeed, to the farmers of New England; one that him to accomplish in a day, through the agency would cut the grass and leave it in a suitable of animal power, and a few cogs and wheels and condition to dry readily, and that could be manknives, what the exertions of twenty-five able aged by a boy, or some one not sufficiently athbodied men would fail to complete.

The hay crop in New England is one of great importance; it comes, too, before the hoeing is It is one of our principal objects to present to finished, while the duration of the period of hot

> A good Mowing Machine would be a blessing, letic to handle the scythe.



For the New England Farmer.

We present these sketches of Manny's machines, now, in season, that the reader may have opportunity to learn of their ability to do his swarth of 4 feet, is \$100.00; that of the one and the high prices of provisions. horse, with 3 feet swarth, is \$90.

manure, and sell the crop off the land, is the cold set in. On the 23d of the first month, the poorest of all farming; but to plant either with mercury fell to 8° below zero; and on the 20th manure or without, cultivate thoroughly, con-sume the crop on the land, and to secure to it are the greatest extremes of cold that have oc-the benefit of all the manure, is the beginning of curred here, as reported by Job Briggs, a neighgood farming.

PRICES AND WEATHER IN IOWA.

ESTEEMED FRIEND:—Having changed my place work, by inquiry, examination and early trial. of residence from the sterile hills of the Granite We have examined them with interest and care, State, and taken up an abode on a fertile spot in this State, and taken up eminent ability to perform the work required of them. They are for sale by Nourse & Co., 9 and 13 Commercial Street, Boston, where circulars and minute descriptions may be obtained. The deep snows, but also from the want of employ-price of the two heres proved which outside the median of the median of the median of the complex control of the two heres proved which outside the median of the m price of the two horse mower, which cuts a ment for the working-classes of the community.

During the twelfth month of 1854, and until the middle of the first month of the current year. we had occasionally a cold day or two, and then Poor and Good Farming.—To plant without warm again. About the latter date, more steady bor of mine, a highly respectable and careful sci-

entific man, that may be fully relied on. The rier, who only knows that he has been accusintermediate weather was somewhat variable, tomed to make up the materials in a certain manfrom mild and thawy to the above given state of ner, without knowing any one of the principles the thermometer. There has not been on the which regulate the action of the materials he works ground, at any one time curing the winter, more with. We thus find that nearly all of the wall than four inches of snow, until the 16th inst., constructed during the past season in this viciniwhen we had about eight inches, (our robin ty is simply made by turning over the lime and

of provisions there and here; simply because and in some cases twice with a shovel. It is then there is, as yet, no railroad from the Mississippi in a hot state deposited in the boxes, and left to river, and these hard times in the east, and all arrange itself as best it may. Such a mode of over the world, will tend directly to retard its proceeding leads directly to a waste of materials, construction. Corn here is worth twenty-five and failures are consequently frequent. cents; wheat, from sixty to seventy-five cents; pork from two to three cents per pound.

new farming State—to the advantage of their be well beaten with a rammer to prevent the masons at least, many of whom, while the father is terials from separating. hard at work to get off his daily allowance of The quantities of sand and gravel to be used, of

2500 inhabitants, and stores, &c., furnishing gravel. every thing for comfort and convenience.

DANIEL FRY. Oskaloosa, Mahaska Co., Iowa, 3 Mo. 20, 1855.

For the New England Farmer.

GRAVEL WALLS.

Mr. Editor:—A few days since, my attention was called to an article in your January number, requesting information as to the manner of erecting "gravel wall or concrete buildings," the cost, &c. My engagements preventing a reply at the moment, an intimation of the inquiry was given to Geo. B. Parrott, Esq., Civil Engineer of Boston, (a gentleman well qualified to advise on the subject,) from whom the following communication was received.

At an early day, I will endeavor to add some remarks from observations and inquiries I have made in reference to this subject.

Waltham, March, 1855.

Drar Sir:—At your request I herewith furnish you with a report upon the subject of building with what is called the "gravel wall," or con-crete. Properly managed it not only makes a very cheap, but at the same time a most durable wall. The use of this kind of wall is very anble."

vicinity, we find different methods used in mak- wise.

storm.) Previous to this the weather was warm, mixing it with the gravel; water is then thrown and farmers had commenced to sow their wheat. upon it and it is left to absorb moisture necessa-There is an unreasonable contrast in the price ry for its slaking; it is then turned over once,

A very important lesson is to be derived from these failures. They clearly demonstrate that Now I don't wish to dishearten any of the the greatest possible care must be taken in the good New England farmers, but only to encourage some of those, who depend on their everyday earnings to feed perhaps a large family, to think if they might not help form a part of the previous to its being mixed with the other materials. respectable number of farmers already in this rials, and when deposited in the boxes, it should

sons at least, many of whom, write the means that at work to get off his daily allowance of shoes, (or his family must come short,) are personness, (or his family must come short,) are personness. The proportion found to yield a good and sand. The proportion found to yield a good and sand. The proportion found to yield a good and sand. The city of Oskaloosa, only twelve years ago result is as follow: -33 parts of rich lime, 33 ceded from the wolves and Indians, has now parts of sand, and 66 parts of broken stone or

For the New England Farmer.

GAS LIME.

Mr. Brown: -Seeing an inquiry from two of your correspondents concerning gas lime, I will give my experience with it as a manure, though small; but then, you know, "every little helps.

Last spring I bought a barrel of it, for which I paid \$1,00. Plaster sold at that time for \$1,33, of which I bought a barrel, and mixed it with the lime one month before using. I applied it to corn with apparently good effect. My corn was not killed by it, though others make that complaint; but, in every case where the corn was killed, fresh lime or ashes were mixed with it, or as least so far as I know. My lime and plaster cost me 1,17 per barrel, instead of \$1,33, as it would had I bought all plaster. I think fresh lime as cheap at \$2,00 per cash as the gas lime at \$1,00, though it would have to be applied with more caution, if applied in the hill when newly slaked. If others have had any experience with this kind of lime, will they be so kind as let us hear about it. S. Tenney.

W. Portland, Andg. Co., Me., Feb., 1855.

Corn Cobs.—Corn cobs contain considerable cient, for it is found to have been employed by farinaceous matter, the same as the corn itself; the Romans. "The walls of the fortress of Cin- and it is said that in France a mill has been redad Rodrigo, in Spain, are also of concrete. The cently invented for separating it. Now that the marks of the boards which retained the semi-fluid farinaceous matter in cobs is nutritious, there is matter in their construction are everywhere visi- no doubt; but whether the great amount of hard, woody, innutritious matter they contain may not Of course, the quality of the wall must depend in some cases injure the animal as much as the upon the nature of the materials to be employed. In almost every building constructed in this this may depend on how the animal is fed other-If fed on very concentrated food, the ing the concrete, and the construction of the woody matter, we should think, might be benefiworks is left, almost invariably, to some hod-car-|cial_rather than otherwise; but if fed on coarse

cob meal would only make bad worse. - The Farmer—Prof. Nash.

TWELFTH LEGISLATIVE AGRICULTU-RAL MEETING.

Reported for the New England Farmer, BY WILLIAM W. HILL.

The twelfth and concluding meeting of the series was held on Tuesday evening.

The meeting was called to order by Mr. Flint, Secretary of the Board of Agriculture, who made some interesting remarks appropriate to the clos-He felt that the discussions ing meeting. during the meetings just closing had been of an unusually practical and useful character, and that they had personally benefited all who had listened to them; while the reports which had been published had been read and copied throughout the length and breadth of the land. The subject for this evening's discussion, The Economy of Agriculture, was one which embraced all the practical details of farming, and not only those, but the broader question of the duty of the State to promote the interests of agriculture. He concluded by announcing His Excellency the control of the county societies, making an-Governor Gardner as the Chairman for the even-nual reports to the Secretary of the Agricultural

ligent minds, for the benefit and instruction of vogue, which make no lasting impression. suits. Indeed, that very morning, and early too, paid to raising onions in Essex county. he had left his home in the city to visit his farm, experiments carried on by the Board, however, of one sink will raise half an acre of corn.

dry food, it would seem as if to stuff him with modified his former belief, and he was now of the opinion that the farm would be of great benefit to the farmers of the commonwealth,much greater than the appropriations which have or are likely to be made to it by the State. In his opinion, the State should take a deep interest in the obtaining and diffusion of agricultural knowledge among the people, and he could conceive of no reason why Massachusetts should not be able to sustain her entire population, even though it should hereafter reach five millions, with the productions of her own soil alone.

Mr. PROCTOR, of Danvers, followed, at the call of the Governor, and urged the justness of the farmer's claims to aid from the State. He believed that the bounty extended by the State to the county agricultural societies, had been a great help to the agriculture of the State, and that the State farm at Westboro' would be or very essential service to the people of the Commonwealth. It is only by means of such institutions that we can learn the economy of agriculture. State farms should be established in all the counties in the State, to be placed under Bureau. It might be stipulated that each county The Governor, on taking the chair, expressed should raise a sum equal to that donated by the his interest in the cause of agriculture, and his State. He doubted whether the present system especial approval of the objects for which these of dispensing the bounty of the State by means meetings have been held. He did not doubt but of premiums, was a judicious one. The same that they had been of great advantage to those sums expended on experimental farms, whence who had attended them. Unquestionably, experi-valuable reports in regard to modes of cultivamental knowledge is the most valuable, but these tion, course of crops, application of manures, meetings, like the libraries of books which we the breeding and management of eattle, &c., prize so much, compress into a small compass the would be derived, would prove far more beneknowledge and experience of a great many intel- ficial than the ephemeral cattle shows now in

all. The Governor remarked that it was his Mr. Waters, of Beverly, spoke briefly of the good fortune to be born upon a farm, and he had importance of experiments in agriculture, and always cherished a love for agricultural pur- took occasion to allude to the great attention

Mr. Fiske, of Framingham, referred to the and he hoped to have the pleasure in a few remark often made to him by farmers, "Only months of eating some green peas raised from give me a plenty of manure, and I don't eare seed which he had that very morning planted any thing about your Boston Culticator, your with his own hand. He had eaten fruit of his New England Farmer, or your Ploughman. If I own production every month in the year. Re- could only get manure, I could get crops fast ferring to the economy of agriculture, he re- enough." Many farmers who talk thus, could marked that a few days ago he had the pleasure double or treble their manures if they would only of visiting the State Farm at Westboro', and of make the most of their resources-bogs, sinks, forming there the acquaintance of many mem- urine, ashes, &c. He had raised forty to fifty bers of the Board of Agriculture. He had pre- bushels of corn to the acre, with a manure made viously read a good deal in regard to the farm, up of meadow mud, sifted fine, ashes and urine but had formed the opinion that the experiment from horse and cow, putting a handful on each of a State farm was rather visionary, and would hill after planting the corn, which was put into prove only a waste of money. What he saw, the ground without manuring. The economy of and the explanations given him in regard to the manure is the great point in farming. The wash

farmer in his county cleared \$400 from an acre and try the various methods of cultivation, we of onions the last season, and that was only a should soon arrive at the economy of agriculture, sample of what is done in Essex county. The and, by making it more profitable, our young great secret of their success lies in the prepara-men would be retained upon the farm. tion and adaptation of manures, and in keeping On motion of Mr. Hall, the thanks of the the soil free from weeds. By attention to se-meeting were presented to Joseph Bird, Eq., of curing the best plants for seed, the size and Watertown, for his interesting lecture, last week, quality has been greatly improved, and \$2 and on an improved fire system. \$3 a pound is paid for seed coming from Essex. The meeting then adjourned sine die.

Mr. French, of Braintree, illustrated the great want of information upon the various matters connected with farming-as location of buildings, the preservation and application of manures, the feeding of cattle, and the selection of us some information in regard to the Superphosstock—and argued that, from the complicated phate of Lime, an article of which we hear much, nature of these questions, private individuals and know but little. What does it cost? (a.) were not competent to elucidate them. matter should be undertaken by the State, through the agency of experimental farms. While speak-wish to try it, as we have utterly failed with ing of stock, the speaker remarked that an Eng-lish gentleman had long advocated "box-feeding" plaster, we have applied, as a top-dressing, to in fattening stock, and his views, it is believed, will triumph in England. He did not exactly planted under the hills of corn, without being able, at any time, to perceive any difference beunderstand what was meant by "box-feeding," tween the parts so treated and the rest of the
but believed that it consisted in enclosing the fields. We do not know of a single instance in animal in a stall or pen, and keeping it there on which it has been applied, in this vicinity, in invariably offer an advance for such beef, without plying it was not a total loss. knowing how it is raised. The speaker questioned the utility of littering the floor for cattle, Buffalo! Ought that "Native American" race having discarded the practice the past year, without noticing any detriment to the cattle in conse-ascertained way of perpetuating it profitably? (c.) quence. He also related the case of a Maryland farmer, who, in planting his hot, sandy soil with corn, put his manure on the top of the hill, believing that it was the true way, in which he was sustained by a farmer in the Connecticut valley. It was a new idea, and he intended to try it on a small scale, and would recommend others to

Mr. SHELDON, of Wilmington, followed, and gave it as his opinion that where litter could be had cheap, bedding cattle should be kept up. He thought it made a material difference with oxen. It is economy to supply cows with water about milk warm in winter; they will give ten per cent. more milk.

Mr. Dodge, of Sutton, foreibly argued the duty of the State to furnish pattern farms, for the benefit of the farmers of the Commonwealth.

Mr. Hall, of Bradford, illustrated the benefits derived from study, and a perusal of the agriculto make use of them.

the right and the wrong—and if we could induce name for oil of vitriol.

Mr. Proctor, of Danvers, remarked that a the farmers to give up their stand-still notions,

For the New England Farmer.

SUPERPHOSPHATE OF LIME---THE BISON.

Mr. Editor: - Will you be so good as to give The How should it be applied to corn and potato a dry floor until fattened. The English butchers which the cost of the article and the labor of ap-

Can you tell whether any attempt has ever to be allowed to become extinct? Is there no Rutland, Vt.

Remarks.—(a.) \$45,00 a ton. Manure the land liberally, and apply a gill of the superphosphate to the hill; this will give the young plants a vigorous start before the roots spread themselves to receive the benefit of the manure.

(b.) It is put up in bags of about 150 pounds each, and probably weighs about 60 pounds to the bushel. Superphosphate of lime is manufactured as follows: When burned bones are digested with sulphuric acid diluted with three times its bulk of water, gypsum (sulphate of lime) is produced, and falls to the bottom of the solution, while the phosphoric acid, and a portion of the lime remain in the sour liquid above it. When this liquid is boiled down or evaporated to dryness, it leaves a white powder, which is known by the name of acid or superphosphate of lime. The sulphuric acid is made by burning the common yellow sulphur in large leaden tural newspapers, by those who were wise enough chambers. One pound of sulphur produces about three pounds of the strongest sulphuric acid. It Mr. Buckminster, of the *Ploughman*, remarked consists of sulphur and oxygen only—combined that there were but two ways of doing a thing—with a little water. Sulphuric acid is another

(c.) The bison, or buffalo, has been domesticated, but no good properties were found which the ox does not possess.

For the New England Farmer.

TRANSPLANTING EVERGREENS.

Mr. Editor:—I have often read in your paper the importance of planting evergreens for ornament and shade, and I know of nothing more beautiful in winter, when the fields and hills seem bound in ice and snow, than the drooping spruce, the lofty pine and graceful hemlock. Their ever deep, rich green, lends cheerfulness to the dreary winter, and makes a home, be it ever so humble, look pleasant and comfortable. I have seen rules in yours and in other papers, in regard to transplanting them, and I venture to say that if any of your readers have followed them, that not one tree in ten has survived the scorching sun of midsummer. (a.)

A writer in a late number of the Country Gentleman gives these rules, which I will give for the benefit of your readers, for I think they are good marks two or three weeks since on raising turkeys as far as they go. First, do not get trees that are too large. Second, be sure and get trees that bit of my experience in that business, with a few bit of several years ago. I purchased two have been exposed to the sun. Third, in taking up, do not mangle the roots. Fourth, do not saying is, and see what I could do with them. prune too much. Fifth, be sure not to let the saying is, and see what I could do not about thir-To which I would add, as the great secret of sucin the spring, but when they are in a growing state, and have made one inch growth; with these rules strictly observed, fail is impossible. I attribute the ill-success of so many in transplanting the everygroup particular. cess, do not transplant them in the fall or early lattribute the ill-success of so many in transplanting the evergreens, particularly the hemledge, and roomy eoop, and kept them in a while, but they did not seem to thrive then; and after proper time of planting, than to all other causes. proper time of planting, than to all other causes. Salem, 1855 C. A. S.

trees have been planted by rules we have given, fall I had about twenty good fat turkeys for the and have flourished finely-they are rules com-market, which averaged me nearly a dollar apiece. mon to all who understand the matter. In one in- I have kept two over every year since; I stance several hundred evergreens were set by the let them choose their nests where they please, and same person, by our rules, and not one in a hun-bring their young according to their own fashion, same person, by our rules, and not one in a hundred died. One of the rules you give, is "not even feeding them. I think they succeed to prune too much." We should consider the case much better to be let alone; I have usually had very rare where a young evergreen would reed about twenty turkeys every fall. About a fortany pruning. We hope more attention will be night before I want to kill them, I shut them up

For the New England Farmer.

PROFITABLE CULTURE

his own hands his own lands, has just informed er than I can that amount of pork. The only ex-An industrious laborer, who cultivates with me that he sold 125 barrels of onions, at \$4,25 per barrel, delivered at his own cellar. These themselves over; they will take care of onions grew on about two-thirds of an acre of themselves, as soon as warm weather comes, till ground.

Amount of sale	
Nett profit	\$400.00

Pretty well for a small concern. J. W. P. March 23, 1855.

HE NEVER TOLD A LIE.

Once there was a little boy, With curly hair and pleasant eye, A boy who always spoke the truth, And never, never told a lie.

And when he trotted off to school. The children all about would cry, There goes the curly-headed boy, The boy who never tells a lie.

And every body loved him so, Because he always told the truth, That every day, as he grew up, 'Twas said, "There goes the honest youth!"

And when the people that stood near, Would turn to ask the reason why, The answer would be always this-Because he never tells a lie.

For the New England Farmer.

ABOUT TURKEYS.

Mr. Editor:—I was quite glad to see your re--and am more than half inclined to give you a ty-two young. I shut them up in the barn, and fed on dough and cheese-curd. I soon found that and losing a good many, I concluded to let them go and take their chance, and I did. They soon began to mend and to grow finely. I lost two or REMARKS.—Hundreds, thousands of evergreen three more in the course of the season. In the paid to transplanting trees which add so much to the beauty of our homesteads.

and keep corn, oats, lime-water, &e., by them, and let them help themselves. Of course they come out "fat and sleek." I have them weigh from six to eighteen pounds apiece. They average me about one dollar each. Now I cannot tell you just how much profit I make, but I think I can raise twenty dollars' worth of turkeys cheaping the breeders over; they will take care of cold weather comes again. It is natural for them to roam about, and they can generally find something to suit their taste in the numerous bugs. worms, &c., that infest every nook and corner of our farms; and for two or three years past, they have revelled in grasshoppers. There is nothing on which they thrive so well. When they have

been out grasshoppering awhile, they will not touch corn if thrown to them. I think it worth a good deal to a farm when grasshoppers are thick, to have a flock of turkeys to thin them out. I think it would pay to keep them, even if we did not get their good "fat haunches" to eat. Many times have I seen a flock of turkeys march over a field thick with grasshoppers, with almost 2740 seeds. The sow-thistle ripens about 280 the regularity of soldiers in file, and then back again—not in the same track, but beside the first thus culling the field with the regularity of a mower. It is curious and interesting to observe taining three seeds, and therefore produce 540 their operations. Isn't it a sight that will set an epicure's stomach into peculiar gastronomic low averages.

Now accord turkyes perched upon the wall, or strutting round making observations,—ever and anon making the air vocal with toot-toot-gobble-gobble-gob-Yours, Marlboro', N. H., March 20, 1855.

For the New England Farmer.

HOME-MADE GUANO.

Farmer, for 1854, may be found an inquiry from bend his back to pull up a young weed, before it me, and your answer, concerning the mode of begins to fulfil the first law of nature. We know preparing and using the manure of that much that some well-fed folks object to all inflection or neglected portion of farm stock, viz., the hens. deflection of the vertebral column—they are gen-I saved and used a small quantity, applying it to erally fond of hard words—but then they also obcorn, potatoes, peas and vines, with satisfactory ject to its being considered in their wages, which results.

It was prepared with muck, dug the autumn row of ten rods long. On vines I consider it measure off. useful, but it ought to be well covered with earth intimately, and they came up well.

Thus you have the results of one year's trial with this available source of home-made guano. More experiments may confirm or change the above opinions. I do not claim any thing reliable for them, further than that it is a valuable keep fowls, even in small numbers.

not be lost if strown under the roosts weekly. If others have tried the "home-made guano, S. TENNEY. shall we not hear from them?

West Poland, Me., March, 1855.

THE WAY WEEDS MULTIPLY.

The Gardener's Chronicle enters into a calculation to show the rates at which weeds multiply:

"The common groundsel ripens about 52 seed s in each head of flowers; and produces about 40 heads or 2080 seeds. The dandelion ripens about 135 seeds in a head, of which it produces about seeds in each head, and produces about 38, thus yielding 11,040 seeds per plant. The annual spurges form about 180 seed-vessels, each conseeds per plant. These are, as we have said, very

Now according to this calculation—

1 Groundsel. 2,740 1 Dandelion, \cdot 16,400 plants. 1 Sow-thistle, 11,040 1 Spurge, 540)

which will cover just about three acres and a half of land, at three feet apart. To hoe land costs, we will say, about 6s* per aere, so that allowing four such weeds to produce their seed may involve an expense of a guinea. In other words, a man Mr. Editor: -On page 253 of the monthly throws away 5s. 3d. as often as he neglects to is not exactly fair.

Let us look at the foregoing data in another previous, half and half, and put in direct contact point of view. Every dandelion left to flourish with the seed, vines excepted. On corn I found unchecked may plant an acre of ground 4 feet it, applied at the rate of a large handful to a apart; every sow-thistle may do the same two feet hill, to be two-thirds equal to a shovel full of apart; every groundsel five feet apart, allowing yard manure. For potatoes I think it good, for waste. Supposing a garden to consist of two though not near so valuable as for corn. It gave acres, 16 dandelions, or four sow-thistles, or 21 mine an early and vigorous start, but the drought groundsels, or 80 sparges, will cover it with a affected them more, on account of their being crop a foot apart. Taking this calculation in more forward than the other crops, they all being their hand, we recommend everybody afflicted late planted. For peas I consider it a valuable with weeds, or with a gardener whose vertebral manure. It gave them an early and vigorous column will not bend, as aforesaid, to count the start, and is, in my opinion, manure enough for dandelions, groundsels, sow-thistles and spurges them, applied at the rate of a bushel to a double upon the first square rod of ground they can

Seriously, this forgetfulness of the consequences before dropping the seeds. I did not cover mine of allowing weeds to seed is a fault of the first at first, and they came up very poorly. I then magnitude; the more inexeusable, because no planted over again, mixing the soil and manure skill is required to remedy it; nothing whatever, except industry and foresight is demanded.

DOWNFALL OF A COMPOSITE HOUSE.—Last fall a Mr. Cozzens, of Brookline, commenced a composmanure, and ought to be improved by all who ite house of cobble-stones and mortar, nearly per fowls, even in small numbers.

The coming season I intend to mix as before, it, to allow time for the walls to become hard, and add one bashel of ashes (dry) just before and was intending to go to work this morning to using, and cover well with loam. The manure finish it for occupancy. Last eyening, as two using, and cover well with loam. The manure finish it for occupancy. Last evening, as two ought to be thoroughly pulverized before mixing gentlemen were examining the walls, and admiring with the ashes. The muck ought to be strown the elegance of the structure, and its cheapness under the roosts, a little at a time, and as often and durability, the walls suddenly crumbled, and as once a week. A quantity of plaster would the whole building came down so rapidly that they escaped with difficulty from being buried in the ruins. It appears that the recent warm weather had driven the frost from the walls, and that being the only cohesive power in the com-

^{*} The shilling spoken of is about 25 cents.

position, down they came, in a manner that has somewhat cooled the ardor of persons afflicted with the "Cobble-Stone Fever."—Herald, 9th.

EXTRACTS AND REPLIES.

HOW TO DESTROY CATERPILLARS.

Mr. Editor:—Take strong soap suds—that in any way to secure a good crop without fail. (c.) which clothes have been washed will answerlen rags on the end of it; then dip the rags in long-lived were they? (d.) the suds, and hold directly over where the young worm has just made its appearance and begun to spin its web; as soon as the suds touches them, they will die instantly. This remedy is equally effectual for current and gooseberry bushes and other shrubbery infested with these pests.

Middletown, Vt., 1855. J. H. Roberts.

A FINE HOG.

paper, and noticing statements of your correspondents relative to large cattle and large hogs, I send you the age and weight of a hog which we slaughtered last week. Age 21 months 22 days; weight of round hog after hanging eight and for-the soil should be deep and fine. Sixteen inches ty hours, 754 lbs.; rough fat, 35 lbs.; estimat-deep, will be found very favorable. Then maning the shrinkage at 11 lbs. for the time of hanging, (it being very cold) would make the whole weight 800, being a gain of I 7-33 lbs. a day. If produce a crop in the cheapest manner. any one beats this, we will try again. Breed, half-blood Suffolk. S. & R. Farnsworth. half-blood Suffolk.

Lyme, N. H., March 7, 1855.

WASHINGTON ROYAL APPLE.

Mr. Editor:—I send you a specimen of apples that I have raised six years. I cut the scions placing a shovel-full of good loam over the places from a seedling tree on the farm of Mr. Joseph P. where the vine branches and pressing it down— Hayward, in Sterling. He says he opened a barrel of this kind of apples on the first of June, and they were as fresh and fair as they were when they were put up, and there was not more than one peck of defective ones in the barrel.

I find the trees to be very prolific bearers. fruit is in eating from October, and it has been submitted to many of the best judges of fruit, and they pronounce it one of the best kind of apples

that has been offered to the public

I have given it the name of Washington Royal. EPHRAIM ROBBINS.

Leominster, March 19, 1855.

Remarks.—We have just eaten one of the apples alluded to above, and pronounce it most excellent. They not only taste well, but are "goodly to behold." Above medium size, flattishround; yellowish-green, with numerous small gray dots, and a clear red in the sun. Calyx in a broad basin, stem slender, and half an inch long. It is a valuable variety. See advertisement-

OSIERS.

What is the weight of the crop of osiers the first, second and third year from planting? I am about planting a few acres and wish for all the the means of knowing? G. F. NUTTING.

CARROTS AND WATERMELONS.

What is the best time to sow carrot seed, and the best kind to sow? (a.)

I should like to know how the ground should be prepared so as to yield the greatest amount at the least expense. (b.)

I wish to know how to raise watermelons by

I wish to inquire if any of your subscribers provided it is strong-and a pole long enough to have succeeded in raising pears from scions set on reach the tops of the trees, and tie a bag of wool-|the mountain ash or thorn stocks. If so how

OBSERVER ON THE FARM.

Oakham, March 19, 1855.

Remarks.—(a.) Sow carrot seed as early in April as the ground is warm and mellow. They will do well sown in May if the seed comes up promptly. The orange carrot is generally cultivated; the white carrot brings heavy crops, but does not seem to be a favorite yet. Then there is the Mr. Editor.—Being a reader of your excellent long red and the Altringham. The latter we have raised, but found no qualities to recommend it more than are found in the orange carrot.

> (b.) To secure a good crop of roots of any kind, deep, will be found very favorable. Then manure it well, and tend thoroughly, and you will

- (c.) Watermelons love a high and dry soil: we have known them to grow luxuriantly on a sand-bed where weeds of all sorts had refused to vegetate. Manure with old compost in the hill. The product can be wonderfully increased by new roots will start out and impart great vigor to the whole.
- (d.) Pear trees will grow on the mountain-ash or thorn, but we think it better to engraft on the quince for the earliest supply, adding annually a tree or two on its own roots.

RYE GRASS AND LUCERNE.

Mr. Brown:—Will you be kind enough to publish in the next number of the N. E. Farmer, the qualities advantages and difference between rye grass and lucerne; their uses, and best mode of cultivation, and the quantity of seed to an S. H. Collins.

Locust Lawn, New Albany, Ind.

Remarks.—Lucerne is an artificial grass, stems erect or somewhat reclining, and about two feet high. The leaves are oblong, inclining to wedgeshaped, more or less acute, sharply serrated towards the end, clothed with close, silky hair on both sides. The flowers are in clusters, many, and bluish-purple. It is best adapted to a good, dry, warm soil, and will not flourish well on heavy wet soils. It is a deep-rooted plant, and requires a deep soil. It should be sown just as information possible before I am fairly in the season for it. Will some one please reply who has to be without a crop of grain, in drills, 12 to 16

inches apart, and with from 10 to 16 pounds of seed per acre. By careful weeding and hoeing, papers, that the seed should be spread at least the crop may be cut three or four times annually four inches in the hills, that no stalks should be the crop may be cut three or four times annually, left within three or four inches of another. We for a period of eight or ten years—the first cutting have been told, and I partly believe it, that the occurring in April. A gentleman in Maine tried plants choke and crowd each other and make a it several years since, and says he sowed it the more stunted growth than they otherwise would. last week in May; the last week in July it was 18 inches high on an average, and much of it found to result from this "closeness of the stalks had blossowed." Here and mileb cover ato it re had blossomed. Hogs and milch cows ate it vo- in the hills." raciously. In four weeks from the time it was cut a second time,—and on the first of November it had grown to nearly the same height as before, and was cut a third time—the even being heavier being sold through this State by interested and was cut a third time—the crop being heavier than either of the preceding. A piece of common red clover (very flourishing) immediately adjoining the same, did not yield nearly half as much, in proportion, as the lucerne. It is undoubtedly a capital plant for soiling, and will prove profitable on favorable soils. It is not so good for hay as for green fodder, especially if allowed to blossom, the stems becoming dry and hard.

Of the rye-grass there are numerous varieties, but the perennial rye-grass (Lolium perenne) is the only one not set down in an English list of the most useful species and varieties of the grasses. Buel set it down as a grass generally esteemed. It is said that it is one of those plants which impoverish the soil to a high degree. It produces an abundance of seed, and produces in its first year of growth a good supply of herbage, which is much liked by cattle. There is, however, much difference of opinion respecting the merits and comparative value of rye-grass. One peck of rye-grass seed, with 14 pounds of clover, per acre, is generally considered sufficient for sowing pas-

HOW TO APPLY MANURE.

Mr. Editor: -- I have one-half of an acre of ground that was broken up last fall; it consists of a sandy loam. I wish to cultivate upon it this season, Chenango potatoes, fodder corn, crookneck squashes and beans, and wish to know how to use my manure that I get from one horse and mentioned in the Farmer of April, 1854, I can cow? Shall I plant in the hill, or otherwise? only say that the proportion is about 16 oz. of Last year I planted a piece similar to this with blue vitriol to 4½ or 5 gallons of water. The back again; I had healthy vines, but nothing underneath them.

Which corn is best for fodder?

Yours with respect, Malden, 1855.E. W. B.

A WORD ON CORN PLANTERS.

In a late number of the Farmer I find pictured in the hands of an intelligent-looking man, one of the patent hand corn-planters. He is evidently making his first experiment, for I see a smile on his face, which, perhaps, may not appear at harvesting. One word about these planters. We are not informed how near together the kernels has just been introduced in the vicinity of Boston, must be in order to drop into the space made for and promises to be an acquisition, especially them. But in the manufacturers' advertisement where the Catawba and Isabella ripen with diffiwe are informed that "The closeness of the stalks culty.—Gardener's Companion. in the hill is necessary for close cultivation."

How often we have been told in agricultural

I infer from the planter above referred to, that

If we can have a corn-planter that will give us the proper space between the plants, and yet have them spread, we may practice as "close cultivation" as possible, and yet save the injurious re-

sults of "closeness."

This is already gained in the horse-planter by Woodford, of Haverhill, N. II., whose machine works with a facility and accuracy excelled by no machine yet invented for the purpose. The corn is carefully dropped in close furrows in the centre of a space 15 inches wide, made perfectly smooth, and all sods or loose stones removed by the machine. On the seed, a quantity of ashes, plaster, or any concentrated fertilizer is dropped, and the whole thoroughly covered.

By this method of planting 8 to 10 acres may be planted in a day, and yet the seed sufficiently spread. The cultivator may be run as near the

plants as the operator may wish.

I will add further, that I have an improvement on the above planter, by which the operator may plant corn and beans alternately, and without mixing the two, putting the ashes on the corn and not on the beans, or the plaster on corn and beans both.

For the benefit of those who are in doubt about the operation of the various planters in the market, I write hoping to draw remarks from others concerning "closeness in the hills," and such ideas as may be connected therewith. G. F. N.

CHEAP FENCE.

In reply to inquiries concerning the Green fence Last year I planted a piece similar to this with blue vitriol to 4½ or 5 gallons of water. The the same materials, and I did not get my seed time required, and the amount of vitriol absorbed by the process, will depend upon the degree of heat applied, and the kind of wood used Green timber will kyanize much quicker, and should soak two weeks in the summer heat, or in a hot bath two or three days. The vitriol should be added to keep the liquor of proper strength, and must be left to the operator to judge for himself by appearance.

Any one passing through Windsor, Vt., will notice this fence in abundance and perfection.

G. F. N.

GRAPES.

The Concord, a large, early, pleasant grape

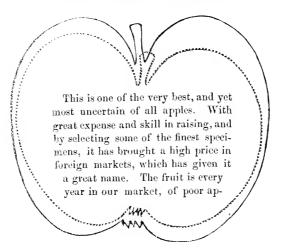
PLOWING SANDY SOILS.

fall plowing: for although the plowing of clay soils, including ridging and back furrowing, may be done profitably in the fall, the same practice is not advisable with those of a freer kind. The furrow with the lifting sub-soil plow, which does not advisable with those of a freer kind. The freezings and thawings of winter will materially improve clayer soils, by rendering them more free from the disintegration of particles, division of masses, etc. Sandy soils, however, should be and from the decay of roots passing deeply into left undisturbed until spring, by which means they are less lightly to be distingted better that it is the same than the decay of roots passing deeply into them, they are gradually supplied with organic matter so as to increase a soulistic. freshets, etc.

descent of water from the soil will so compact by spring .- Working Farmer.

both the sandy and gravelly soils, as to leave Spring plowing for sandy soils is preferable to them difficult of penetration by roots, and when they are less liable to be disturbed by high winds, matter so as to improve their general condition. This disturbance, however, should occur in spring; No error is more common than to suppose that thus they are less compact during the growing sandy or gravelly sub-soils render sub-soil plow-ing useless. On the contrary, the continuous dering them more practicable in their character

THE NEWTOWN PIPPIN APPLE.



pearance, and selling at common prices. One | The Newtown Pippin is of medial size; flesh Baldwin tree, of the same age, will outweigh four fine, firm, crisp, juicy, of a rich, sprightly, high of them, and out-bear five or six of them, in good aromatic flavor and aroma. Remarkable for reand in some parts of the West, it succeeds well. grower; moderate bearer. Fruit inclined to be neither wet nor dry, lime in the soil, or manure, Newtown, Long Island.—Cole. and the highest culture.

Some pomologists reckon two kinds; others think there is but one, modified by various circhant's Magazine gives the following receipt for cumstances. The Green (dotted outline) is flatthe prevention of wet feet, and adds that by flattish-round, angular; stem short, rather deep six years longer. He says: cavity; rough, yellow, or greenish-yellow, brownish or red cheek. We have seen another form mixed, I warm the boots and apply the hot stuff smooth, wax-like, pale yellow, bright red cheek. per leather will suck any more. If it is desired

fair fruit. It generally fails in New England; taining its freshness to a late period. Late winter, in some favorable situations in the Middle States, spring, and to mid-summer. A slow, scrubby It requires a warm, deep, strong, friable loam, defective under the best management. Origin,

tish-conical; stem, short, deep cavity; smooth, subjecting his boots to this treatment three pairs olive-green. The Yellow (the larger outline) is have lasted him six years, and are likely to last

and color. Roundish-conical, very deep cavity; with a painter's brush until neither sole nor up-

that the boots should immediately take polish, or any other liquid manure. It should be thrown dissolve an ounce of wax in spirits of turpen- over and well incorporated, as it will be apt to tine; to which add a teaspoonful of lampblack, work through the loam or muck, and waste if A day after the boots have been treated with the that is not attended to soon. tallow and rosin, rub them over with wax in turpentine, but not before the fire. Thus the exterior will have a coat of wax alone, and shine like a mirror. Tallow, or any other grease becomes rancid, and rots the stitching as well as

For the New England Farmer.

SALT LEY.

Mr. Editor:—Your correspondent from East Hartford, Ct., in the N E. Farmer for Jan., 1855, half an inch or less of the surface, and if not shaded by the radish leaf will lake from the sun's wants information in regard to an article made by the hard soap manufacturers, and called by them in the vicinity of Boston (as well as Hartford) salt ley. Having used many scores of loads of for carrots, parsnips, beets, &c., is positively necthat article, within the last eight years, separately as well as in connection with night soil, I am able to reply to the questions put by "J. R. S."

First, let me say, that a scientific and observing neighbor who has a few acres of meadow he wished to lay down to grass in a manner best calculated to be lasting, and also wishing to know for a certainty whether salt ley was as economical (at the same cost per load) as night soil, placed two heaps of loam upon the borders of his meadow, containing about five cords each, and added five loads of 80 cubic feet each of ley, to one heap, and the same of night soil to the other. After causing the same to be thrown over until well incorporated, he divided his land equally in two parts, and spread the compost, sowed his grass seed, harrowed, and then rolled the surface with a heavy roller. The first year the result was decidedly in favor of the night soil; the second they stood side by side; the third, the difference in favor of the by was more than equal to what it lacked the first, while its effect was very apparexperiment as well as some of my own of a similar character, satisfied me that ley is very permaclover, which is the same thing.

in, as it will be apt to kill the corn if allowed to come in contact with it. I believe it superior to any other manure for other potatoes, as it keeps the worms from troubling them. It may nebunk, Me., April 8, says—"the sledding has been be used for any purpose that any manure is. It very good here until to-day." In the neighboris the best for sandy land as it holds the moisture very good here until to-day. In the neighborand prevents in part the consequences of a hood of Boston the frost is not yet out,—manure drought. One cord of meadow muck, if fine, is heaps carried out last fall, are still frozen; postsufficient to absorb one load of 90 cubic feet holes cannot be dug, or very little spring work less, being made of lime and soda instead of ashes) first team and plow in motion. The Weston peois equal to a cord of stable manure. Pile up the muck and run the ley into the basin on the top, and be careful that it don't work out at the sides under date of April 2, we learn that the snow

R. W. TURNER.

Newton Centre, Jan. 16, 1855.

ROOT CROPS.

Much of the success of root crops depends upthe leather; but the rosin gives it an antiseptic on their early treatment. Those that germinate quality—which preserves the whole. Boots and slowly, such as the carrot, should have the seed shoes should be so large as to admit of cork soles. swollen, by burying it in the soil for a few days Cork is so bad a conductor of heat, that with it encased in a bag before sewing, and when being in boots, the feet are warm on the coldest stone sown, small quantities of radish seed should be mixed with it. The radish seed will mark the rows at an early date, so as to enable proper tools to be passed between, and remove the weeds even before the carrots shall appear above the surface of the ground.

> All light scaly seeds should be planted within shaded by the radish leaf will bake from the sun's heat, and refuse to germinate, unless previously

swollen.

The early attention by disturbance of the soil essary to insure success. Careless culture in the early part of the season will materially injure the

We should not wait for weeds to appear before disturbing the soil, but by frequent stirring we may prevent their growth altogether until the roots shall have fairly started, and are in full possession; then an occasional stirring by the Horse Hoe or any of those tools lately introduced by Ruggles, Nourse, Mason and others for cleaning the surface of soils, so that the entire strength of the soil and all the atmospheric advantages may

be applied to the crop.

We raised last year, by such treatment, 1500 bushels of parsnips, and nearly or quite a thousand bushels of carrots per aere. When guano or the phosphates are used, the application should be in small doses, and at each disturbance of the soil. The results will be much greater than when all are placed in the soil before the planting of the seed; for in its slow downward travel by solution ent long after the night soil had spent itself. This when applied after the night soil had spent itself. This the manure may come in contact with the young spongioles ready to receive it. If the manures nent and valuable as a fertilizer, when properly are all applied in the rows instead of between the incorporated with meadow muck for upland. when more generally discount discount when the second with meadow muck for upland. When it is spread upon grass land, it is sure to when more generally disseminated through the bring in a large amount of honey-suckle or white reaching the roots. The great increase in demand If used for corn it should be spread and plowed for root crops will fully warrant their increased culture.—Working Farmer.

The Season. -- A correspondent writing from Ken-And if the ley is good (for some is nearly worth-done. It was refreshing this morning to see the and waste, as it is more likely to than night soil was then four feet deep, great drifts still remaining, and no sugar had been made. From Dorchester, N. H., the account is that the snow in the woods on the first of April was six feet deep, in many places.

For the New England Farmer.

THE NORTHERN SPY APPLE.

Mr. Farmer: -This new variety, which has attracted so much attention in Western New York, is little known in New England. No apple brought into notice has elicited so many and different opinions of its merits. What I said of it in a report to the American Pomological Affidance Society, respect to the American Pomological Affidance Visit and Pomological Affidan Society, re-printed in your paper, was intended as a eaution to those planting or grafting extensively, rather than to deter any one from giving it a fair trial.

One reason why it has been so poor a hearer is, it has been extensively propagated from nursery scions. In 1846, I paid three dollars to a Rochester nurseryman for four dozen scions, which had their voices. Age increases the beauty of birds, been cut from small nursery trees; these were grafted on old bearing trees. Scions cut from

Another reason why it is not an early bearer, is its upright growth. A person visiting an orehard of one thousand trees, containing one hundred varieties, and told there is one tree only of the Northern Spy, may easily select it. This may be partially remedied. I bent some of the most vigorous limbs on my trees and tied them down, when three years grafted, (in October,) and the next season they were filled with fruit buds-two years before a blossom appeared on any other.

It is a rapid grower, hardy, and requires high culture, with plenty of lime or ashes, and more thinning of its branches and small limbs than any other sort. In quality it is decidedly the erful oar to dart right into the wind's eye. best, taking the same rank in March, April and mere sailers are the eagles, the vultures, and the May, or perhaps June, that the Gravenstein does buzzards, whose more rounded wings resemble in October and November. One bushel will, in sails. The rowing bird is to the sailing bird any market, when known to be in good condiwhat the steamer, that laughs at adverse winds, tion, (not bruised by transportation,) sell for more than one barrel of any other sort grown in

New England.

Any man having a small space to spare for a few trees, provided he likes an apple of fine texture, tender, of high flavor, unshrivelled, and as ty. This reservior is also closely connected with fresh in April or May as any other in October, the air-cells which lie between the interior muswill be satisfied if he gets but a small quantity for a few years. It is deserving a general trial, at least a few trees in every orchard. Should it prove a good bearer, (and it may when propagated by scions from bearing trees,) it must be a great acquisition to our very small list of good late-keeping apples, and may be for New England almost complete details, that there results an what the Newtown Pippin is for New Jersey.

Burlington, Vt., April. C. Goodrich.

BIG CARROTS.—THOMAS GORDON, Esq., of Bidweighs four pounds and three-quarters, after hav-

BIRDS.

Birds, says M. Toussenel, live more in a given time than any other creatures. For, to live, is not only to live; it is also to move, act, and travel. The hours of the swift, which in sixty minutes can reach the distance of eighty leagues, are longer than the hours of the tortoise, because they are better occupied, and contain a greater number of events. Men of the present day, who can go from Europe to America in little more than a week, live four times as much as men of the last century, who took a month to make age have still a longer time before them than Michael Angelo and Voltaire had at that moment when they were laid in the cradle. Independently of birds thus enjoying more of life than all other beings in the same given number of years, time seems to glide over them without leaving a trace of its effects; or rather, time only improves them, reviving their colors and strengthening while in men it brings on ugliness.

A bird is a model ship constructed by the hand of God, in which the conditions of swiftness, them two years after, and grafted on bearing manageability, and lightness, are absolutely and necessarily the same as in vessels built by the hand of man. There are not in the world two things which resemble each other more strongly, both mechanically and physically speaking, than the carcase and frame-work of a bird and a ship. The breast-bone so exactly resembles a keel, that the English language has retained the name. The wings are the oars, the tail the rudder. That original observer, Huber, the Genevese, who has carefully noticed the flight of birds of prey, has even made use of the metaphor thus suggested, to establish a characteristic distinction between rowers and sailers. The rowers are the falcons, who have the first or second wing-feather the longest, and who are able by means of this pow-

> is to the schooner, which cannot advance against them.

The bones of high flyers, as well as their feathers, are tubes filled with air, communicating cles, and which are so many swimming-bladders, by aid of which the bird is able to inflate its volume, and diminish its specific gravity in proportion. In birds that are laden with a heavy burthen of head, Nature has interposed so decided a almost complete detachment of the skin. Consequently, they can be stripped of their coating just as easily as a rabbit can. In man and other mammifers, the blood, in the act of breathing, advances ready to meet the air; in birds, air endeford, Me., has sent us two carrots, one of which ters to find the blood, and comes in contact with it everywhere. Hence an ubiquity of respiration ing lost a goodly nip of its nether end. It probably weighed six powds about the first ably weighed six powds about the first and a rapidity of the wings of birds. The muscles ably weighed six pounds when taken from the do not get fatigued, because they receive new ground. California will please stand back a lit-vigor every second from the influence of the ever revived blood. A stag or a hare drops at last,

MAY

legs, are tired.

velopment without another losing in the same debted. The chaffinch, in unsettled weather, proportion. Thus exaggerated length of wing recommends the traveller to take his umbrella, Examples: the frigate-bird, the swift, and the to hang out her linen. Certain mystic geniuses humming-bird. Feathered feet and legs are have attributed this faculty of divination posand grouse. Nature always contrives to econo-quainting them with the actions of the electric mise out of one part of a bird's body the materi- currents that traverse the atmosphere, and acal which she has too lavishly expended upon an curately informing them of their direction. Nor other. Good walkers are bad flyers, and good is there any scientific argument which can be flyers are bad walkers. First-rate runners and confidently opposed to such a theory. divers are deprived of the power of rising in the After the organs of sight and touch, the sense air. Half blind individuals, like owls, are as- of hearing comes next in importance. The delitonishingly quick of hearing. Creatures elad in eacy of the auditory powers of birds is sufficientplain costume are recompensed by the powers of ly apparent from the passion for vocal music
song. The lark and the red-breast, victim spe- which many of them manifest. It is an univercies (both being greedily eaten in France) have sally admitted physical law that, in all animals, the gift of possy bestowed upon them for their a close and invariable correspondence exists befuture sorrows.

treme velocity of the bird would have only gle member of his congregation.

Ascend in the air, by means of a balloon, in kill themselves against the iron wires of electric company with an old Atlas lion, whose formidation of the company with an old Atlas lion.

of sight. In fact, air being the most variable flexion of his cat-like mewing, miniatures though enabling them to appreciate and foretell the through our humble interpretation-"that nases the different properties of the hygrometer, quadrupeds put together. the thermometer, the barometer, and the electro-scope. A tempest, which takes the man of sei-ence by surprise, has, long before, given warning bird's appetite must be enormous, in order to to the birds of the sea. The noddies, cormosurply the animal heat necessary for the main-

when hunted, because its lungs, rather than its gale announce the coming of the tempest by a peculiar form of bird's expression, which they Between the different members of a bird's body both seem to have borrowed from the vocabulary there exists a sort equilibrium or balance, which of the frog-a pre-eminently nervous animal, to prevents any one organ from obtaining undue de- whom the science of galvanism is greatly ingenerally coincides with very small feet and legs, and advises the housekeeper not to be in a hurry mostly short, as in pigeons, bantams, ptarmigan, sessed by birds to some special sensibility, ac-

tween the organs of voice and those of hearing. The most exquisite sense a bird possesses is Now birds, it will be seen, are the Stentors of nasight. The acuteness and sensibility of the retiture. The bull, who is an enormous quadruped, na are in direct proportion to the rapidity of endowed with an immensely capacious chest, wing. The swift, according to Belon's calcula-does not roar louder than the bittern, a moderate tion, can see a gnat distinctly at the distance of more than five hundred yards. The kite hovering in the air at a height beyond our feeble vision, perceives with ease the small dead minnow thousand yards above the surface of the carth, floating on the surface of the carth, floating on the surface of the lake, and is cognipulls your head back just as violently as a friend zant of the imprudence of the poor little field-who asks you "How do you do?" from the balmouse, as it timidly ventures out of its hole. All cony of a lifth-floor window; while the thunder-God has done and made. He has thoroughly well ing of Mirabeau, who should venture to har done and made. If He had not exactly proportioned the visual organs of the bird of prey, or towers of Notre Dame, would run a great risk of the swallow to its dashing flight, the mere ex-not being able to convey a single word to a sin-

telegraphs; and nothing is more common than ble roaring once struck terror throughout Algeto find thrushes and larks with dislocated verte-rian wilderness; and, when you have risen only brae, when they fall into the large vertical net half a mile, make your travelling companion which is used in France by twilight sportsmen. give utterance to the most sonorous of his fine Perhaps, after all we have said and seen, the chest-notes. Those will spend themselves in sense of touch is the most perfect in birds, and empty space, without descending so low as the the organs of feeling are endowed with a subtle-earth. But the royal kite, floating another half ty of perception more exquisite than even those mile above you, will not let you lose a single inand unstable of elements, birds would be endowed they be of the lion's roar. "It is probable," says by nature with the gift of universal sensibility, Mr. Toussenel—M. Toussenel is always speaking slightest perturbations of the medium they inhab-ture has expended more genius in the construcit. In consequence, the feathered race are armed tion of the larynx of a wren or a nightingale, with a nervous impressionability, which compri-than in fabricating the ruder throats of all the

rants, gulls, and petrels, know twenty-four hours tenance of its superior nature. A bird is a locobeforehand, by means of the magnetic telegraph motive of the very first rank, a high pressure enwhich exists within them, the exact day and mo-gine, which burns more fuel than three or four ment when ocean is going in one of his great ordinary machines. "Animals feed, man cats," rages, opening wide his green abysses, and fling-says worthy Brillat Savarin. "Clever men alone ing the angry foam of his waves in insult against know how to eat properly." This strictly true the forehead of the cliffs. Some birds are the gastrosophic aphorism is more exactly applicable harbingers of wintry storms; others usher in the to birds than to quadrupeds. Birds feed to asadvent of spring. The raven and the nightin- suage their hunger and to amuse themselves, not

through any ambition of "cutting up fat." The through any ambition of "cutting up fat." The It is early enough to set the plants by the first did not certain species of birds feel an incessant few days, craving to devour them. Birds have no nose for the craving to devour them. the same reason that they have no palate. It is, man's Magazine.

THE SWEET POTATO.

by "G. S. P." of Bethel, Vt., reminds us that together, or in any other way, as a slight bruise many people would find it convenient, and would will engender decay. The leaves of the vine are be glad to cultivate a few rows, sufficient, at quite handsome, being large, smooth, and genleast, for their own table through the autumnal erally three-lobed. months. We have raised them successfully for several years. They are not quite so sweet, or in making bread, and makes a pie nearly or quite so yellow, as those sent here from the South, as good as the squash. It has a peculiar, agreethough our crop in 1853 afforded very fine ones, able flavor, and is called easy of digestion, is both in color and flavor.

Some four or five years ago we had a correspondence with Mr. Timothy A. Bascon, of Hins-is as follows:—Boil soft, peel and mush them. dale, N. H., on the subject of the sweet potato. To every quarter of a pound, put one quart of who presented to us in April a box of them sound milk, three tablespoonfuls of butter, four beaten and pretty good at that time,—but not with their eggs, together with sugar and spices to the taste. full flaver.

wishing to plant only a few, to purchase the slips, on the same quantity of ground. as they may always be obtained at the proper season, of Rand & Co., 110 Quincy Market. Those who desire to cultivate more extensively will find

to indulge in epicurism. They fatten through Half a peck of potatoes will furnish sprouts

task, moreover, assigned to them, is to destroy the innumerable seeds of weeds, [which they do of June. Place them in drills a foot apart, a litin a larger proportion than the protected seeds of the deeper than they stood in the hot-bed, leaving human food,] and animal and insect vermin, the drill a trifle dishing. If the weather is dry which would soon annihilate the labors of man, and warm at the time of setting, water them for a

The ground should be plowed or spaded a foot not necessary that creatures, destined to eat every-deep, well manured, and thoroughly pulverized. thing without making wry faces, should have Some persons throw two furrows together, but in posted in front of their stomach, as we have, a our hot and dry summers, we think such a pracwho and what he allows to enter the fortress. All, therefore, that has been said about the fine is a warm, sandy loam, though it will grow on scent of the crow and the vulture, who snuff gun-powder and corpses at incredible distances, is The cultivation should be eareful, keeping all simply absurd. There is an excellent reason why weeds out, and the soil constantly loose. The crows should not smell gunpowder; namely, that gunpowder is scentless until it is burnt, (we ven-ture to doubt this statement of fact; having a decided nersonal nose for the saltware.) If arouse not to love the ripe several mith statement of decided personal nose for the saltpetre.) If crows not to leave the vines covered with earth, as in could perceive that perfume, it would attract that case they will take root and prevent the them, instead of driving them away. Crows and growth of the first setting. Some persons forcivitures are carried birds, who love, above all things, the treat of a battle.—N. Y. Church-bly term up the vines where they have attached themselves to the ground in order to themselves. themselves to the ground, in order to throw the vigor of the runners into the main roots. The crop is fit for gathering when the tops decay.

In harvesting, great care should be observed An inquiry in relation to this delicious esculent, not to bruise the potatoes by throwing them

> The potato is used boiled, baked, is excellent wholesome and nutritious.

> The recipe for making pies of the sweet potato

Mr. Bascon informed us that the sweet potato As in the common potato, there are many vari-is a good erop for milch cows,—that they are eties of the sweet-the Mississippi yam is consid-very fond of them, and that he can obtain a ered the best. It would be cheaper for those larger amount of them than of any other potato

POTATOES.

the following directions convenient. Plant the potatoes in a common hot-bed, and cover two sold a few days since by auction, in New York, inches deep with time leave and the will cover two and at a price which would pay the foreign furinches deep with fine loam, and they will come mer a very large profit beyond the cost of freight, up in two or three weeks, and when two and a etc., and this, too, in a country where they might half inches high they will do to set out. In col- be produced at less than the freight paid by the lecting the sprouts place one hand on the potato foreign farmer. Every year since our childhood, to keep it steady, and cut out the sprout with tates would be low next year, as everybody the though roll or well it. the thumb-nail, or pull it out; the potato will would be raising them in consequence of the high continue to furnish them for three or four weeks, prices; and thus far has prevented a full supply

being grown, particularly during the last few tree had better be dead than drag out a sickly exyears, when the extra crop required each year istence. You want new shoots of the real thrifty for the consumption of the half million emigrants, color to burst out with unmistakable energy, has been a million and a half of bushels beyond the requirement of the previous year, and which, could see my neighbor Goodman's orchard in at the average crop of 100 bushels per acre, Autumn; trees all in straight, handsome rows; would require 15,000 acres of land for their cultifity crops growing among them,—and a team ture. This is not only true of potatoes, but of going to market with the abundance which seems other roots, the consumption of which is not only to have no end, increased from the same cause, but from our own eitizens becoming convinced that a large appropriation of vegetable dict is conducive to health. The farmers and livery-stable keepers are also feeding roots more liberally to cattle and horses, and as a consequence, carrots are now sold read-sessed of a mania for clearing land. As long as ily in the New York market at fifty cents per their farms afford unlimited opportunities for bushel; and even parsnips and ruta-baga turnips chopping down huge trees and burning up huge bring prices equally large, as compared with logs, they work away with the ardor of passion; those of former years .-- Working Farmer.

For the New England Farmer.

SETTING ORCHARDS.

of your readers are planning to set out fruit trees is fevered, and the passion for change continues this season. How can they invest a few dollars after the good done by it has been accomplished. better than to buy twenty, or fifty, or more, trees, and choose a good place to set them, and eased. We have cleared faster than we have apcrop,—they are, but apples are more profitable, occupy those homes are, at least, willing, if they There is little danger of there being a glut in the are not desirous, to sell their farms and try their almost shovelled them into dirty, mean bar- and spiritual advantages of a permanent residence. struction from grass.

looked. If trees are set on good land, they will tween civilized man and wild nature, make a handsome growth without having so To most men, over twenty-five years of age, who much good earth carted about them. An or-have a footing upon their native soil, we believe it is done!

W. D. B.

Concord, Mass., March 23, 1855.

STAY WHERE YOU ARE.

In the West we have met with persons posbut the moment they have made their farms tillable and their houses inhabitable, they take no further interest in them whatever, and are eager to sell out and plunge deeper into the woods to ply again the axe and the brand. Thus the coun-Mr. Brown: -Spring is at hand; and many try is cleared rapidly; but the blood of the people

The necessity for a rapid clearing of land has get them growing as fast as possible. What propriated. The Eastern and Middle States premarketing costs less than the piles of great sent an expanse, almost unbroken, of balf-cultiapples so speedily gathered from the bending vated land, dotted with unattractive homes. A trees? Folks talk of potatoes being a profitable large number—probably a majority—of those who market for apples. The demand more than keeps for time in a newer region. They know that the pace with the supply. Better apples are called burden of life is heavy to be borne where they for in unlimited quantities. Some that have are; they hope it will be lighter somewhere else. raised apples in a slovenly manner, have been They forget that the life of no honest man is easy, discouraged by the prices obtained. They have They omit from their calculations all the unseen rels, and because they have had to sell them to They overlook the fact that the real nutriment of poor customers at a low figure,—0, apples are a tree or a man flows in from the minute tendrils not worth raising. The better way is, to be lib-of the root, scarcely visible to the eye, which a eral with the trees. Give them something to removal rudely tears away. They have neglected live upon. Don't be afraid to in plow manure about to make their homes charming, by planting the them. It is better than to pile up a lot by the ornamental shrub, the shading tree, the beautiful trunk to dry up and feed insects. If you think flower. They have not enlisted in their corps of to raise a good crop of grass under your trees, co-operators the next-to-omnipotent aid of Science, you will injure the fruit very seriously. Tree nor bound themselves to the fields they till by the roots want a mellow soil to themselves, and no ob-interest of varied, intelligent Experiment. They do not know that new lands, though they give a The easiest way to manage an orehard is to large increase, yet draw large tribute from the have it the cultivated field—the place to raise the men who go to live upon them. The forest and potatoes and corn and vines. It should be on good land, accessible from the house readily, not without imparting some of their wildness to their hilly, and so situated that it might be easily over-conquerors. It is a game of Give and Take be-

chard near at hand will be better protected from the advice is good. Stay where you are, and devagrant animals,—four-legged and two-legged termine to stay as long as life lasts! Persevering If you are to be robbed, it is desirable to see how toil, guided by a thinking head and ennobled by a worthy purpose, will reduce the mortgage by de-Every year thousands of trees are thrown away grees, and beautify the old home, and fertilize the by being stuck down in grass land. When are sterile field, and drain the too fertile marsh, and people all to know, that such an expenditure is convert stones into stone-fence, and make the farm the sheerest folly? Suppose the trees are dug the pride of the township and the delight of its around. Soon the grass gets up again ;—it is owner. Stay where you are, and try it! There difficult to get around to the trees, and they come are those who should remove—the young, the to the general stand-still. But suppose they do strong, the uncapitaled, the one-too-many in a just live, and perhaps, grow an inch or two? A family. But, if possible, such should remove but

once, seeking not a stopping-place, but a perma-his extensive tillage land, so thinly, that those of is best in their natures may gather and centre.

fellow-citizens, Stay where you are !—Life Illus-

For the New England Farmer.

HINTS FROM THE CLASSICS---No. 1.

BY SAMUEL T. READ.

The shepherd was not slow to perceive an error one, partly full. among the Roman husbandmen, which is exerting a very detrimental influence upon our agriculture at the present day. Many of his countrying processed fields of the processed f trymen possessed fields of so great extent, that piously supply his ground with necessary fertilithey were unable to bestow upon them a thorough zers. He plows and plants with no distressing culture, and accordingly, like much of our land, "hurries" to distract his mind. He sits pensive they were but partially cultivated, the thistle and ly reading his paper, or studying his profession, the sterile weed growing quite as luxuriantly as at many a twilight, when his hundred-acre neighbors of the farmer, with which they were bor is hurrying and toiling as if his life were demingled. The writer receiving this continual product upon the exertions of that hour. Hoeing mingled. The writer, perceiving this, cautioned pending upon the exertions of that hour. Hoeing his countrymen in the following comprehensive and laconic language—Laudato ingentia rura, extension is beholding a luxuriant erop, stretching its rank, that it is better to expend a thorough culture upon a small field than a superficial culture upon a large one. Many of our farmers boast more of much land, than of good land. They seem to should ever be—a life of quiet contentment and much land, than of good land. They seem to should ever be-a life of quiet contentment and think more of reaping a large field for a small honest pleasure. harvest, than of reaping a small field for a large harvest, than of reaping a small field for a large harvest. Sometimes we hear one say, "I've got a good farm; why, there's over one hundred acres of tillage land." And then we hear another say, "I've got a good farm; to be sure I've only twenty-five acres of land under cultivation, states, that in the course of his wanderings amid but it is well cultivated; I spare no pains in supthe pyramids of Egypt, he stumbled on a munmy, plying it yearly with an abundant coat of fertil-proved by its hieroglyphics to be at least 2000 izing substances, and it pays me for it."

nent home, in which, and around which, all that the poor plants from which he expects a crop, will be quite fortunate who do not have to extend Would that we could whisper it convincingly their roots an almost incredible distance, in order into the ears of nine-tenths of our restless, roving to obtain the designed aliment, and then having reached a small clod of the fertilizer, are not compelled to share it with several of their neighbors. The foolish husbandman expends a vast amount of time, labor and money in plowing and planting his unprofitable farm, and is so driven, as to be obliged to hurry in his crops at the very latest moment allowable. Hoeing time (if the It is an idea among the agriculturists of the crop is corn) comes on apace, and then all is hurpresent day, and perhaps an idea which in a meas-ry and confusion, early in the morning and late at ure removes incentives to improvement, that their night. He gets the first hoeing about threeprofession is in a higher state of perfection than fourths done, and it is time to hoe again, so that ever before. This, however, is a decided mistake. one-fourth is left to the domination of the weeds. For considering the advantages derived from the He hires more men and commences the second other arts, our skill in husbandry is rather upon hoeing. He hurries his laborers, until they but a retrograde. We have our elaborate treatises half do their work, and gets through his field a upon this subject, (oftentimes too elaborate for few days after the proper time. The portion practical assistance.) We have implements, the which remained after the first hoeing, is gone products of years of studious ingenuity; but, over hastily, but the weeds have become so numerstill, Agriculture has not kept pace with the oth- ous and large, that in their eradication, the daner arts, in the rapid strides of energetic progress ger attendant upon disregard of the caution in If we turn back the pages of history 1900 years, the old parable,—"Lest ye root up the wheat also," is greatly incurred. Now, look at his field! from Rome, a Mantuan shepherd writing the best Behold the dwindling, spindling, dwarfish, slender dissertation on husbandry ever produced—an essay replete with wisdom and apt maxims—a work, which to-day stands forth, defying the world for an equal. There is scarcely a principle feet slave. Work! work! work! not so much because there is an immense crop to be garnered as because the is an immense crop to be garnered as because the same as because the part of the description of the same as because the part of the part of the same as because the part of the part of the same as because the part of the part this does not allude, and on the other hand there nered, as because he must go over one hunare a great many, of paramount value comprised dred acres ("the good farm,") and he at last in it, which now, are scarcely known and prac- gets his grain into shocks, but it is almost a day's sed at all.

Some of its maxims, especially, are so apt, and would require a spy-glass to see from one to anso worthy of reflection, that I propose spending a other. Finally, after protracted and disagreeafew contemplations upon them, as time will per-ble labor, the diminutive erop-the result of so much toil and expense, is in the granary—a small

DURATION OF VEGETABLE LIFE.—Lord Lindsay ing substances, and it pays me for it."

The one-hundred-acre farmer goes out in the was unwrapped, he found in one of its closed hands writing and switters a farmer goes. On examining the nummy after it was unwrapped, he found in one of its closed hands spring, and scatters a few tons of manure over a tuberous or bulbous root. He was interested

in the question how long vegetable life count race, and he therefore took that tuberous root from the minimy's hand, planted it in a sunny soil, allowed the rains and dews of heaven to descend following modus operandi:

In May, 1853, he bought 100 roots of B. K. bloomed into a beauteous dahlia.

NEW PUBLICATIONS.

gance of diction, as attractive as many of the that and the following month. best works of the imagination.

bany. Price 25 cents.

EVERY LADY HER OWN FLOWER GARDENER. business. Pamphlet, 119 pp. Price 25 cents. Saxton & foot; but would have done better, and in the Boston.

25 cents.

it will prove eminently useful in the wide field in which it has embarked.

tail. In this manner he was drawn a short dis | 160.—The Farmer—by Prof. Nash. tance, and when the rope was taken off, the hitherto unruly animal was perfectly obedient to the will of his master. We have seen this method England to the West appears to be greater than was tried with similar results.

a spot in his garden 10 feet by 5, one foot deep, throwing the earth out on the sides. Next he put in 6 or 8 large wheel-barrow loads of well rotted manure, and dug it into the sub-soil nearly Langstroth on Bees. We recommend to every another foot in depth. He then filled up the person who owns bees, or who intends to own trench a little above the general level of the them this spring, to read Langstroth's book about ground, putting in about equal parts of manure them this spring, to read Langstroth's book about should said soil before thrown out. On all he sowed half them. While it abounds with the most valuable a bushel of sait; and then set the plants. On the facts in nearly every thing concerning them, he same day of May, 1854, he cut a large quantity has also made it, by his purity of style and ele- of fine asparagus, and continued to do so through

Suggestions.—He did well to purchase the Relations of Chemistry to Agriculture.

By roots of a skilful gardener, instead of taking two or three years to grow them from the seed, when the seed, and then perhaps failing, for the want of that Johnson. Pamphlet, 87 pp. Luther Tucker, Al-definite practical knowledge on the subject, which Mr. Bliss has acquired in the prosecution of his

Co., New York. A pleasant and valuable book, end would be better paid, if he had gone two If it only teaches to rear a single flower, it will feet, and had put the second foot into his barnwell repay the cost. For sale by Redding & Co., yard or pig-pen. This yellow sub-soil—who Boston. Harvey Dodge of Sutton, who last year obtained THE AMERICAN KITCHEN GARDENER. By the the premium for the best managed farm, has same enterprising Publishers. It will prove a used nothing but sub-soil for composting these wonderful help to most persons owning a garden. years, and few if any farmers have raised better For sale by Redding & Co., Boston. Price only crops, or sold them at a higher profit on the expenses of cultivation.

The Cold Grapery, from direct American Praemanure under his bed, had put such as would be If our friend, instead of putting well rotted tice: being a coneise and detailed treatise on the rotting for the next quarter of a century, he would cultivation of the exotic grape-vine, under glass, have done better. Green manure would not without artificial heat. By WILLIAM CHORLTON, have done well. The fermentation would have Gardener. Saxton & Co., New York. Price 50 seen too violent for the young plants, and too cents, neatly bound. This little work tells us cents, neatly bound. This little work tells us bed that operates twenty-five years. If he had how to plant the vine, cultivate, prune, and do dug two feet or more, and then filled to one foot all things in relation to it, to secure a crop under of the surface with old boots and shoes, the parglass, but without stoves or fire.

Northern Farmer. Woodstock, Vt. Brown

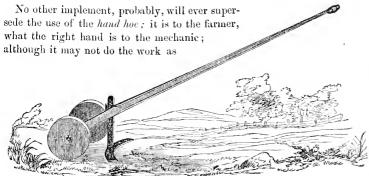
Grosby, Publishers. \$1,50 per year in admixed in and laid solid with fermented manure, vance. This is a new paper, filled with instrue-and then had filled up to four or five inches above tive articles, both original and selected, of a mis-|the general level with equal parts of top soil and cellaneous and agricultural character. We hope well rotted manure, we think he would have laid the foundation for an asparagus bed, which, by being covered with litter over winter, and dressed each spring with fermented manure and half a bushel of salt, would have yielded more Asparagus Training a Balky Horse.—The Michigan Far- than half a dozen families would consume, for at mer says, a horse became balky in Detroit a short least twenty years. The starting of a good and time since, and neither whipping nor coaxing permanent Asparagus bed, is no cherp affair; could make him stir. A rope was then fastened but at half the price which the article brings in round his neck and he was dragged a short dis-our markets, it will pay a large per cent. in the tance by another team, but this did not effect a outlay. We saw an asparagus bed of 20 acres, cure. The rope was then taken from his neck, near London, which the owner told us, never yields passed between his legs and fastened firmly to his less than £50 to the acre, and often as high as

ever before known.

THE WHEEL HOE.

This is an implement of which we can speak from a practical experience, having used it personally for two or three years, with the most sathas been in use among the thrifty farmers in Essex county for many years, particularly by the onion hoe.

The knife in the cut below, varies somewhat to potatoes producing large tubers at once, from from the one given in the September number of potato-seed, I am not aware of having advanced the Farmer, for 1853; some prefer one form and some the other.



fast as some other implement, no other can do it is very small. The tubers produced will be corbetter. It suits all places and conditions of soil, respondingly small. These tubers are planted, and must always remain an indispensable tool on the farm. But the wheel hoe is more than "cousing the farm. But the wheel hoe is more than "cousing ed, and produce still larger tubers. Usually, in general," to it as in good hands it will perform german" to it, as in good hands it will perform three or four years, under proper circumstances, five times as much service in a given period, and the seedling potato reaches its maturity, when where every thing is favorable, do it nearly as the tubers are as large as they will ever grow, unwell as the hand hoe.

the farmer and gardener, as one which will save there should be a cross piece on the end of the think. handle about 18 inches long; this does not seem to be very well represented in the engraving.

They are manufactured and sold by Nourse of Co., 9 and 13 Commercial Street, at \$1,25 cents

chasing trees, shrubbery, grape or other vines instruction. The experiment has been tried, of and bushes which grow small fruits, if they study planting the eyes of potatoes, on land less abundantly supplied with old vegetable matter in a their own interest, will look at our advertising state of decomposition. It has proved an entire columns. As Clement, whose post-office address failure. Among the farmers of New England it is Lowell, James Hyde & Son, Newton Centre, has been found that an excessively rich soil, or ANTHONY & McAfee, New Bedford, Mrs. S. W. one full of carbon with such a degree of moisture Cole, Chelsea, Ephram Wood, Salem, W. Hall, as to produce rapid decomposition of vegetable matter, is almost certain to produce disease in po-Bradford, and others. They are persons to be tatoes. relied upon.

For the New England Farmer.

MATURING PLANTS.

(REVIEW OF R. M. I.)

Mr. McIntire objects to the idea that plants beisfactory results. An implement much like this fore coming to maturity feed more from the atmosphere, and that potatoes produced from seed do not come to maturity for some years, &c.

After what I have heretofore said upon the first onion raisers there, and by them is called the of the above ideas, it does not appear to me that anything more is required upon that head. As

fibrous roots. It then supplies the tops with certain mineral substances, as has been ascertained by chemical analysis. When the tops have come to a good degree of maturity, then tubers may begin to form. But at this point let the tops be cut down, and the formation of tubers is at once arrested. Many experiments and facts lead me to this conclusion.

The first growth of tops from the potato-seed. der the same circumstances of culture. Does the It is an implement which, after long and thorough trial, we unhesitatingly recommend to ness, "we'll give it up."

It is a fact that potatoes will sometimes proa great deal of unpleasant labor in weeding, and duce an abundance of seed, and but a very small enable him to raise ten bushels of carrots as yield of tubers, where large tubers were planted, easily with it, as he could five without it. In and the soil and the culture were indifferent. That the carbon of the old potato went directly order to give the operator perfect control of it, into the growth of the seed is very evident, I

I have been well assured of the fact that enormous crops of potatoes have been produced from the deep soils composed of old vegetable matter, in the West, where nothing but the mere eyes of potatoes were planted. Experiments have abundantly demonstrated that such things cannot be done upon a soil but scantily supplied with old Spring Purchases.—Those persons about pur- vegetable matter. This is a fact which is full of

It has also been observed that seedling potatoes,

generally, for some years after being produced from seed, do not ripenfully. During this period, they are less desirable for cooking. This was the case with the long reds, the blacks and the Dan- can, on their farms, by every fair and possible vers reds. As they grow older, they become bet- contrivance; and when made it will require as ter for table use, ripen earlier, and as far as I much skill to expend it judiciously, as it did to

before maturity, and more from the soil while from the animals, from the sink-spout, from the producing seed, seems to be disputed. How can clouds, every bone, old boots and shoes, rags, all we know? Take an English turnip and set it in manner of offal, and every ditch that leads and moist sand, with no carbonaceous food, and it stream that flows, either across or around the will grow and blossom with nearly as much promise as though set in a good soil. When fully in farm, be directed to some appropriate place or bloom, an examination will show that the root is reservoir, where it shall be collected and preserved but slightly changed in its condition. After the from loss as carefully as though it were gold blossoms are closed, the root will change very rapidly, and become used up, before seed is ma tured. Let the turnip be set in a soil where it can procure a supply of carbonaceous food, and it more, and that is to purchase all the wood ashes will mature seed. As the blossoms fall from short-he can find that shall cost him not more than fiflived plants, a new process in Nature's economy teen cents a bushel, and all the charcoal dust be

Every man who knows the chemical composicipal part of its substance from the air. After called the specific manures for the general purpos-

is at an end.

If, in the latter part of July or the first of Authan the supply of carbon which had been taken in through the leaves. The natural effect will be that the tree will form fruit-buds instead of continuing the growth of wood. This is a well-known

Note explanatory.—The above was mostly written about the first of January last, and it was my intention to add several items to it; but ill health has prevented. I have waited a good while with the hope of being better able to think and write, but I cannot now write much.

A. G. Comings.

Pea Weevils.—Few persons, (says Dr. Harris,) while indulging in early green peas, are aware how many of these insects they swallow. spots may be seen within them, each correspond- of the articles commonly used. ing with a similar spot on the opposite pea. If this spot on the pea be opened, a minute whitish grub, without feet, will be found therein. It is round hole, from the hollow in the centre of the nured. pea, quite to the hull, but leaves the germ of the future sprout untouched. This insect is limited to a certain period for depositing its eggs. Late the 10th of June are generally safe.

When the peas are green, the Baltimore Oriole splits open the green pods, for the sake of the of the soil; shallow in wet, and deeper in dry grubs contained in the peas, thereby greatly contributing to prevent the increase of these noxious The instinct that enables this beautiful

admiration .- Harris's Inscets, &e.

HOW TO USE FERTILIZERS.

We advise farmers to make all the manure they have been able to ascertain, are more liable to collect it. Save everything—lose nothing. Let The idea that a plant feeds more from the air every leaf, straw, chip, every sort of droppings

When this is done, we advise to one thing can obtain at a cost of not more than ten cents a tion of a tree, knows that it must take the prin-bushel. We advise no man to purchase what are trees blossom, the fruit makes but little progress es of farming. That they can be used with adin growth until the woody formation for the year vantage in many instances, by those who know how, and are willing to take the pains, we have gust, the supply from the roots is cut short, no doubt. But the losses arising from their use either by the work of borers, or by shortening the last year, in this State, were of no mean magniroots, the supply of mineral elements will be less tude, and we fear they will not be the present

> The only way in which we can learn the value of fertilizing substances at our command, is by experiment, and not by analysis, and with this idea we shall continue to use guano, bone-dust, poudrette, superphosphate of lime, gypsum, salt, saltpetre, and such other articles called fertilizers as we can readily procure.

There are thousands, however, who have not yet used any of these, who are desirous to do so, and are constantly inquiring how, and in what quantities, they shall be applied. In order to aid such inquiries we have prepared, with a good When the pods are examined, small discolored deal of care, the following remarks upon several

Peruvian Guano.—There are several kinds of guano, and the value of each is fixed by the price the weevil in its larva form, lives upon the marrow of the pea, and arrives at its full size by the moderately fertile—more on poor lands, and less time the pea is dry. This larra then bores a on those naturally rich and recently well ma-

Application.—Pulverize it finely and spread broadcast upon the surface, if the land has been sown peas escape its attacks. Those sown after well plowed; if not well plowed, harrow once before spreading, then cultivate the guano under from one to three inches, according to the nature

If Peruvian guano is to be used in the hill, it bird to detect the lurking grub, concealed as it is should receive six to ten times its own bulk of within the pod and hull of the pea, is worthy of muck or loam, be thoroughly mingled, and when applied to the hill mixed with the soil with the hoe, not the foot.

Mexican guano and superphosphate of lime may be spread broadcast, or placed in the hill, chanced to come across your valuable agricultural and the quantity used may be from two to four paper. I saw some of your correspondents gave hundred pounds per acre, according to the condi-thinking it might be acceptable to some of your tion of the land and the objects desired to be readers to know how we of the Empire State get gained.

On all crops of the turnip or cabbage kind, follows. the superphosphate is particularly useful.

of guano, or super-phosphate, to the hill, for and the remainder left on mortgage. the manure heap is limited.

and in about the same quantities.

from any of these fertilizers by scattering them My little place has now the appearance, and is a in very small quantities upon the suaface immenent and comfortable farm. Beside paying the diately after hoeing, and covering them care-mortgage, I am now out of debt, with one span fully, at each hoeing. But the process would be of horses and fixtures, five calves, twenty sheep, a tedious one.

guano. Use them separately.

Guano spread upon grass ground should be applied while rain is falling; for uplands, it would pay well to mix it thoroughly with muck.

A solution of two or three pounds of guano to a barrel of water is an excellent fertilizer for valuable plants, and garden vegetables, applied about sunset, once or twice a week.

Corn Fodder.—A piece of sward land was broken up in the month of June, (10th day) planted with eorn, in drills, four feet apart, hoed twice, and the produce cut and tied in bundles on the third day of September. The yield was found, by weighing, to be equal to thirteen to the acre!

	COST OF CROP.	
Plowing		\$3,75
Harrowing		75
Seed		30
Planting	*******************************	.1.75
Hoeing	************************	4.00
Harvesting		.2,00
Total		12,55

when hay is cut short.

For the New England Farmer.

PROFITS OF FARMING.

Mr. Editor:—While on a visit to a friend, I along in farming, I give you a short sketch, as

I purchased a farm of forty acres in the spring e superphosphate is particularly useful.

It is an excellent plan to add a table-spoonful \$20 per acre, or \$800; \$500 was paid down, corn, as it gives it a vigorous start, bringing out of the soil is alluvial, one-third gravelly, and the the broad leaves early to supply food from the atmosphere. At 3 feet 6 inches one way and 3 mainder timber. The farm had been rented for feet the other, there would be 4148 hills per the past ten years, consequently it was very unacre; allowing 4 spoonsful to the gill, four bush-promising. House old, boards loose and swinging els would give 4096 spoonsful, which, at 60 in the wind, the windows almost without glass, pounds to the bushel, would be 240 pounds per still were the fences; rails were scattered hither aere; and this is good a way of helping out where and thither, and hedges, stone heaps, and old logs e manure heap is limited.

Bone dust may be used in the same manner Being determined to go ahead in the world, I commenced fencing and repairing, and have, in the course of three years, built a new dwelling Perhaps as good a return might be realized house, and repaired the out-buildings and fences. four hogs, poultry, &c. I give below the amount of farm produce which I raised the past year, Lime and ashes should not be mixed with though it was one of drought, and generally short crops in this section of Washington county.

 ore crobs in missection or a samigeou count
20 tons of hay, worth \$10 per ton \$200,00 200 bushels corn, \$0 cents per bushel 160,00 300 "potatoes, 50 cents" 150,00 150 "oats, 50 cents" 75,00 20 "wheat, worth \$2" 40,00 100 "apples, 20 cents" ((common) 20,00 Seeds, clover and herds grass 10,00 500 lbs, butter, worth 20 cents per lb 109,00
Corn-stalks, straw, &c
EXPENSES. One hand 5 months, \$12 per month\$60,00 5 tons manure and plaster, \$8 per ton\$40,00 Repairs, &c., for farming tools\$10,00 Farming tools purchased\$0,00 Groceries, &c., wearing apparel\$50,00 Interest, &c., on \$800, value of repairs, stock, &c. 150,00 Produce consumed, deducting the growth of stock\$100,00
\$440,00 Which leaves a nett profit of

thousand, seven hundred and sixty-nine pounds creased value of the farm. I have been offered \$3,000 for the farm and stock. Do our merchants or mechanics often do as well on the same amount of capital employed? J. HADES.

Washington County, \dot{N} . Y., 1855.

CONNECTICUT STATE AGRICULTURAL SOCIETY .-At a late meeting of this Society, at Hartford, that city was was fixed on for holding the next This fodder was fed as dry food to cattle during exhibition, and the following officers were elected: President-Samuel II. Huntington, of Hartford. the winter, and was highly relished. By chaffing, President—Samuel II. Hunting Co., Corn fodder produced in this way will, we think, Corresponding Secretary—Henry A. Dyer, of Corresponding Secretary—Henry A. Dyer, of be found very economical, especially in seasons Brooklyn. Recording Secretary and Treasurer-John A. Porter, of New Haven.

POTATOES.

tatoes; and although 1 am not much of a farmer, ably come to a different conclusion. yet I have taken some little pains to inform myself of the best way.

1st. I think the best land for potatoes is on our side hills, which is generally a deep loam and rather moist. The potatoes are not so likely to be injured by frost as in lower land, nor so subject to marks on pruning, &c. Now Mr. Little, I think, blast or rust: moreover this is the natural soil for cannot intend to go into raising apples on a large a great crop.

land was not rich.

much alike; one uses forty loads, while the other for other crops; while the latter has but a small crop even the second year.

be about three and three and a half feet apart, and be about three and three and a half feet apart, and branches when young and trim our trees about the hills eighteen inches or two feet apart, and the six feet high, and then let them branch out, not potatoes cut for planting a large one in three leaving too many branches; three or four isenough. pieces, and those smaller in two pieces (no small This enables us to plow, barrow, or do anything ones should be planted) and three pieces put in each hill. I have tried whole ones; they do not spread so well, and therefore do not produce so much as cut ones. I planted three years since

2 rows with 4 pieces in a hill, 2 do. 3 do. in a hill, 2 do. in a hill, do.

3 eye end pieces in a hill, 3 butt end pieces in each hill. do. do

The butt ends weighed one-sixteenth more than the eye ends.

The product was as follows, viz:—The rows with 4 pieces yielded 10 bushels-many small

Rows of 3 pieces, 10 bushels—not many small

Of 2 pieces, 9 bushels there were very few small

The rows of eye ends, 9½ bushels—many small

And the two rows of butt ends, 101 bushelsand the best in the whole lot.

I have tried it since with the same or nearly the same success.

to have any germ; and the reader has the same on a small seale. liberty not to believe it until he tries it.

I saw in your last Visitor some experiments of Elias Frost on raising potatoes. He says he planted of ground planted 3 lbs. 10 oz. of the butt ends, day. and had the best crop and largest potatoes from the eye ends. Now he ought to have cut the potatoes so that the butt ends would have been as certainly it does—and that hope with nearly all tatoes so that the butt ends would have been as large, and even larger than the eye ends, as the men is, that at some time, not far distant, they

butt end has fewer germs. If he will try again, Much has been said and written on raising po- and give the butt end a fair chance, he will prob-

For the New England Farmer.

PRUNING TREES AND SUN-SCALD.

Mr. Brown :—I am glad to see Mr. Little's rescale, or if he does, it must be where land is not 2d. As to manure, forty common loads is none so valuable as it is in Brookline. Here we are too much for an acre. If I had a thousand acres under the necessity of making the most of our of land, and but forty loads of manure for my poland. My neighbor, Farmer Jones, has forty acres tato ground, I would plant but one acre if the of land; most of it is planted with apple, pear, plum and cherry trees, the apple trees from 35 to I am acquainted with two farmers who live 40 feet apart; he raises all kinds of green sauce near each other. The soil of their farms is very for the market, as well as hay and grain. Mr. Jones cultivates every foot of his land, orehard, uses eighteen to twenty loads of manure per acre. and all; he breaks it up every third year, after The first has generally 400 bushels of potatoes to laying it down, and cultivates at first for potatoes, the acre, and the last 200 to 250. This is not all squashes, melons, corn, and then the next year the former gains. His land holds out several years for peas, beans, or other crops. He generally gets two crops a year; a crop of peas, and then sweet corn, beets or potatoes, and then turnips; 3d. The seed of potatoes ought to be changed sometimes three crops, first spinach, then lettuce, every five or six years. Even if the seed is brought, and after that beets. So you see that we are unbut two or three miles, the crop will be much bet- der the necessity of pruning our trees in the old way (but not as broom-sticks, but more like a 4th. As to planting, I think the rows ought to large umbrella,) and by doing this we cut off the else we choose in our orchards, and by plowing every third year and then cultivating two years, our trees are always free of roots on the surface. They get well manured, trimmed of all suckers or superabundance of limbs, and all interfering branches, while they are small, by which means we give them a most beautiful top, and they in return give us a most plentiful crop of large, fair fruit, without any fear of sun-scald. Out of four hundred trees, I do not think a single tree can be found with sun-scald; we wash them every spring with potash, a pound to eight gallons of water, which kills the scales and lice, and then we scrape off the loose bark, taking care not to scrape too deep, so as to expose the inner bark; this will remove all the vermin and insects that have secreted themselves under the bark, or in any crevice in or on the tree. The fall is the best time to trim or prune trees; February and March to wash and scrape them. February and March is the best time to salt plum trees, and cut away any fungus or black warts. If Mr. Little will, when in Boston, get into the Brookline cars, they will bring him to my house in ten minutes, and I should not have believed the butt ends would I shall be happy to show him the broomsticks have produced the best crop if I had not tried it; that he speaks of, and also the manner in which for some, even many of the pieces did not appear Farmer Jones does things on his farm-also mine S. A. Shurtleff.

Gone to Farming.—We have great hope of the 5 lbs. 9 oz. of eye ends, and on the same quantity world yet—it grows more and more sensible every

"Hope springs perennial in the human breast,"

shall go to farming. So our old friend Daniel NEEDHAM, Esq., of Groton, has tipt up his ponderous law tomes, gone to Quechee, Vt., and trust he may vegetate and thrive exceedingly.

A SKETCH OF FARM LIFE.

"There is poetry in farming." True. But I have read and so have you, That "distance lends unto the view Enchantment fair. For instance: digging gold will do Till one gets there.

In summer planting, weeding, hoeing, And practising "Knick-knack's" at mowing, (That science which you boast of knowing So very well,)

The scorching sun no mean type showing Of what's called h-1.

In winter tugging with the flail, Or sledding in the cutting gale, Such as would send a gallant sail In bare poles seaward, And blows your fore-nag's lusty tail Straight out to leeward.

In place of literary talk With compeers in your daily walk, It's "Shall you top, or cut the stalk Of that ere crop!"

Or, "Sold yer cattle ?-how'll ye chalk To swell or swop?"

Not half the prose may well be told Which farmers every day behold In summer hot and winter cold. Dull as 'tis real; Yet we've incentives manyfold To the ideal.

The pictures in the book of June; The glorious dawn, the balmy noon; The dowy eve, the rising moon; All these are ours, Aud all the recompensing boon

When Winter hurls his storms apace, Oft pitcous is the farmer's case : Night comes-the blazing chimney-place Stills all complaints; Thaws out his features, till his face Shines like a saint's.

Of birds and flowers.

There while the cheer reeks to the eeiling, He gets most comfortably feeling, Thinking how barn and battened shielling, Secure and warm, His poor dependants safe are shielding

From the storm.

There he may read, muse and ponder Upon this life, this world of wonder; There, judge-like, he may set asunder The truth from error, And see in men of "blood and thunder" No cause for terror.

There he may form just estimate Of those the world calls good and great; See fortune, circumstance, and fate

Create renown, And give a knave a chair of state, An ass a crown.

Knickerbocker.

For the New England Farmer.

MURIATE OF LIME

Mr. Editor: - Early in June last, I procured planted himself on a three-hundred-acre-farm on a barrel of Mr. James Gould's muriate of lime, the banks of the "Silver Quechee," where we who requested me to make trial of it upon my erops. I tried it upon six rows of corn, in the middle of a field, at the first hoeing, nutting a small handful to each hill. On one side I had planted six rows of eorn, manured in the hill with compost; on the other side an equal number of rows, manured in the hill with guano. No manure had been used in the hill, in the six rows to which I applied the muriate of lime; but the whole field, previous to planting, had been dressed with a thin coat of compost. As the field was surrounded by two or three rows of potatoes, of course there were two or three Lills of potatoes at each end of the rows of corn. These were treated with the same kind of manure as the corn in the rows, of which they were a continuation.

> On harvesting the crop, I found that the corn to which the muriate of lime had been applied, was stout and the crop good, considering the season; in short, about one-third heavier than that on which the compost or guano was used. The potatoes which had been treated with muriate of lime, were nearly twice as large as those which were manured with the compost or the guano, and there was about the same number to LARKIN P. PAGE. the hill.

Bedford, Mass., 1855.

WHAT IS RESPECTABLE SOCIETY?

We heard a man, otherwise intelligent enough, lately sneer at another, "because," said he, "one never meets him in respectable society." The speaker did not mean, however, that the person he affected to look down upon was immoral, but merely that his circle of intimates was not composed of the fashionable or the rich.

This notion of what constitutes respectable society, is quite a favorite one with that class of individuals, whom Thackeray has so significantly ealled "snobs." Empty pretence is always making its own characteristics a standard, by which it strives to measure the respectability of persons at large. In a community of mere money-getters, wealth is the test of respectability. Among the proud, narrow-minded, effete nobility of the Faubourg St. Germain, respectability depends on being descended from ancestors, who have married their cousins for so many centuries, that neither muscle nor brains are left any longer to the degenerate descendants. With the dandy officers, who constitute a considerable portion of the American Navy, respectability consists in having sponged on "Uncle Sam," in wearing gilt buttons, and in bilking tailors. Every conceited fool thinks himself, in like way, the only man really weighty, the only person who is respectable.

But true respectability depends on no such adventitous circumstances. To be respectable is to be worthy of respect; and he most deserves respect who has most virtue. The humblest man, who brayely does his duty, is more worthy of respeet, is more truly respectable, than the covetons millionaire among his money-bags, or the arrogant monarch on his throne. The fine lady, who backbites her neighbor, is less worthy of respect than an honest washerwoman. The profligate noble, though he may wear a dozen orders in his buttonhole, is often not really as respectable as the shoe-black that cleans his boots. That which is called "the world" exalts the one and despises the other, nures we have so much confidence, as in that of but it does not make them respectable, according Professor Nasu, Editor of the Farmer, published to the real meaning of the word. Their respecta- at Amherst. We desire, therefore, to ask him a bility is all a hollow sham, as they themselves single question, with a view to making his reply frequently feel: and those who worship them bow down to a Fetish, a thing of feathers and tinsel, as public as the interrogatory itself. It is this:-The selfish, idle drone, who wastes life in his own What, in your opinion, would be the effect of gratification, and dissipates the fortune of his prog-three hundred pounds of guano upon an acre of eny, is not, and cannot be, respectable; but the good land for the space of five years? And what hard-working, self-denying father, who wears out his life to bring up his children, is, even though the enect of the same money cost, say \$5.00, of he be but a day-lacer. Nothing can make Dives good meadow muck, spread upon another acre fit to lie on Abraham's bosom, while Lazarus is of the same kind of land for the same length of welcomed there, even with the sores the dogs time, -both fields to be planted with precisely have licked.

This false view of life, which would measure respectability by a conventional standard, is totally at variance with our republican institutions. It creates an "imperium in imperio;" for while the law declares all citizens equal, it erects a social standard which endeavors to ignore that great they are rich or poor. While those who live hon-farming. In the towns of Flushing, Flatland, estly, and strive to do what good they can, con-Flatbush, &c., raising potatoes is the main busi-stitute what is really the respectable class, irre-ness of many farmers. They market early, obspective of the fact whether they eat with silver tain great prices, deal in peach basket bushels, and forks or steel ones.—Dollar Newspaper.

For the New England Farmer.

CATERPILLARS.

This pest of the fruit-grower may now be very casily destroyed, by simply picking off the eggs deposited on the tips of the branches last summer. Their practice is to select the largest for seed, by the butterfly. They are wax-like in appear. They cut off and give to the pigs the "seed end," an eighth of an inch in thickness. It is not onetenth so much work to remove the eggs as it will be the nests by and by.

Not recollecting to have ever seen any thing of this mode of destroying this pest of the orchard in your valuable paper, I send you the above, which is at your service. Enclosed is a specimen of the eggs attached to the limb. S. Tenney.

West Poland, Me., March, 1855.

The Weather in Maine.—The weather here is very cold for the season. The snow is full three feet deep in the woods, and has not began I hope Mr. Walker and others will try the to go off yet. The sugar maple refuses to yield Long Island experiment, and publish the result. its annual harvest, but we hope warmer days are S. Tenney, coming soon.

West Poland, Mc., March 26.

a variety of topics.

MUCK AND GUANO.

A QUESTION FOR PROFESSOR NASH.

There are few men in whose sound and practhe effect of the same money cost, say \$9.00, of the same crops, and cultivated and treated every way alike?

For the New England Farmer.

POTATOES---GRASS SEED.

Mr. Editor:—Having noticed in the Farmer truth. The coarse, brutal, knavish, profligate, a very interesting article from an old friend, criminal—in short all who fall short of their duty Anasa Walker, Esq., upon his great success in to themselves and their fellow-men—are those potato growing, I am induced to state the prae-who are "not respectable;" and this, whether tice of our Long Island farmers in this branch of many of them range from two to seven thousand dollars for this crop alone annually. Their principal variety is Mercer, not unlike your Chenango in appearance. They use horse manure, plow deep, and, as one farmer said to me, he had raised potatoes fifteen consecutive years on the same piece of land.

ance, and form a small ring around the limb, from as it is often called; cut the potatoes lengthwise one-fourth to nearly an inch in length, and about into quarters, plant two and a half feet apart by three feet, and hill very little. They say by cutting off the small eyes, they get more pounds of potatoes, and avoid small ones; four to five large stocks to the hill is all they want. Judging from the large size they were digging, I put them down as the L. L. D.'s of the profession.

Is this not sound doctrine, and would it not apply to Chenangos, Long Reds, and all those long varieties which show a "seed end?" And does it prove any thing in its application to small potatoes? Small potatoes, planted year after year, prove to my mind the principle of dwarfing.

I would suggest the following plan: I. Plant the large quarters in rows separately; 2. Plant the "seed end" separately, then there will be no loss of seed, and the difference will be seen; 3. Correspondents will confer a favor by writing Plant separately the hen's egg size; 4. Plant sepon one side of the paper only. We have many arately the next size smaller; 4. Plant separately valuable communications on hand which will the size of a robin's egg. Test the whole experibear keeping, and shall have proper attention by-ment fairly. No time is lost beyond sorting sizes. and-by. As far as possible, we endeavor to intro- Results may come that will gratify the ambition duce those first which may be acted upon practito raise large potatoes, which is the only aim of cally at once, at the same time desiring to present the farmer. "Small potatoes and few in the hill" is his abomination.

and in a dry time it is deeply shaded, overpow- includes all that has lately been repeated, we asered and destroyed. Is this not the experience sert, without the fear of contradiction, that the of many farmers? For these crops, and to lay Black Knot cannot be cured after it has fairly down to grass, manuring and deep plowing is the made its appearance, by any process yet made only safe practice. Now we will suppose the public.—Working Farmer.

grain to be harvested—the land in good tilth stubble and weeds have afforded additional manure; turn them in by shallow plowing, taking care not to disturb the manure first plowed in for the grain; sow grass seed, brush in and roll, and before winter you will have a better show of grass, a better eatch, and full remuneration for patient waiting and extra plowing. The mowing field is the watch work of farming. If worth doing, see that it is well done. H. Poor.

Brooklyn, April, 1855.

For the New England Farmer.

SUCKER PLUM TREES.

Mr. Brown: -Sir, -In looking over the weekly issue of the New England Farmer, of March 3, I observed the inquiry of "J. F. W." what he must do for his plum tree, which fails to bear about the horse-chestnut seeds we gathered for fruit, although "blossoming full" every year, that we feel encouraged to write you now. with your recommendation as a remedy.

Now, Mr. Editor, for the benefit of "J. F. W." freely, they have invariably failed with me. "J. F. W.'s" tree is probably a sucker. But for improved varieties. I have grafted hundreds of them with good success; they grow finely and After grafting, your recommendations coincide with my experience exactly. C. Smith.

Shelburne, Franklin Co., Ms., March 26, 1855.

For the New England Farmer.

FERTILIZERS---GARGET.

Mr. Editor:—Will you give me some informausing phosphate of lime or some like fertilizer, on such vegetables as beans, peas, &c.

if there is any other remedy as good.

Boston, April 10, 1855.

Remarks.--Superphosphate of lime, guano, bonedust and ashes, are excellent for all garden crops when properly used. Apply in small quantities, mix well with the soil, hoe well, and you will rarely fail of a crop.

We can supply you with a little of the "garget-root." Whether it is the best remedy for the disease called garget in cows we do not know.

Black Knots on Plum Trees.—We see a variety

Sowing grass seed with the oat and barley Knot on the plum tree, but thus far, after having crops is dangerous, particularly with oats. The tried each of the remedies recommended at the rapidly growing grain suppresses the young grass, different dates of their publications, and which

EXTRACTS AND REPLIES.

THE BOYS AND THE HENS.

Mr. Brown :- Father has permitted us to obtain half a dozen hens, and we want to know how to manage and feed them in the best way. We find a good many things in the vols. of the N. E. Farmer about them, but they don't exactly suit our case. What sort of a coop shall we make? what shall we feed them on! Shall they be constantly confined! We like the instructions we find in your paper, better than those we find in books, because they seem so natural; we think the writers have seen what they tell—it is like talking with one who knows. We were so well pleased with the letter you wrote us last fall about the horse-chestnut seeds we gathered for

April 19. HENRY AND EDDY.

Remarks.—One of the most encouraging facts and others, I would say that, from twenty to in the progress of this paper, is, that women and thirty years' experience in cultivating fruit trees, young persons frequently write us and either ask I find that suckers of the plum, transplanted as or impart information on the important toxics of standards, almost universally fuil to produce or impart information on the important topics of fruit; though growing thriftily and blossoming the farm. It is a great point gained. Our young friends will find no difficulty in obtaining an But abundance of eggs and chickens, if they furnish they may be used with good advantage for stocks their hens with a dry, warm and convenient roosting place, and plenty of wholesome food. An atbear profusely. I have trees grafted on suckers, tie room in an outbuilding, where the sun comes, from four to six years from grafting, which bore is a favorable position. They must be warmly last season from one to two bushels per tree. sheltered in cold weather or they will not lay. They should have food regularly, and in variety; corn, occasionally boiled potatoes and meal mixed with scraps, the crumbs and bits of meat from the table, oats, barley or wheat, together with gravel and pounded oyster or clam shells. They love to run at large and eat the tender grass, inseets, young cabbage plants, and other good tion through your excellent paper, in regard to things which they find it the garden. But they do well confined a part of the time, being allowed Also where I can get garget-root for cows, and to range for an hour or two before going to roost.

QUANTITY OF SEED.

Mr. Mechi, the distinguished English agriculturist at Tiptree Hall, says-"Our farmers have, many of them, yet to learn the advantages of a moderate quantity of seed." The true rule we believe to be to make the land rich and use the less seed; then you get a vigorous growth and fully matured seed.

Mr. L. P. Page, of Bedford, states that corn of cures recommended in the papers for the Black planted with muriate of lime, last season, prowith compost or guano. His communication will sons do not continually annoy their neighbors by be given next week.

Why does Vermont wheat make bread that is dry! Is it owing to the presence of gluten?

"Newport, N. H., April 11, 1855. The stage dollars, nor less than one dollar." from this place still goes upon runners. Snow in abundance.

BOYS' DEPARTMENT.

PROFANITY.

This is one of the marked vices of the boys of the present day. What multitudes of them are addicted to it. Are parents fully aware of this? Do you know that your sons, when away from home by day as well as by night, are mingling with profane associates? Or rather, do you know that they have not such companions? Are there not parents in nearly every town in our favored Commonwealth, who are famous at home, and it may be abroad, as moral reformers, whose sons are suffered to grow up at home habituated to the use number is legion? Said a boy not long since in our hearing, "The boy or the man that will swear will drink and smoke and be guilty of other kind-red vices." Said another in reply, "Now we mark fully concurred in by all who were engaged and bake very slowly. It is eaten cold. in the conversation.

name of God in vain. yet are very familiar with form to the omelette; turn in the edges, let it set such oaths as, "by Jesus,"—"by hoke" and by a moment and turn it over on to a dish, and serve. every thing else, almost. There are persons, however, who see little difference between "I swan" and "I swear," and therefore, as a matter of taste, may be served in many ways, but the following is if they use either, choose the latter. Now is it most common: two tablespoonsfuls of milk, and any more wicked to say "I swear," than "I vow," or "I swan?" If so, we confess our inability to may be added. discriminate. Let these things be carefully considered in the light of divine truth, and all these idle words will be abandoned.

Let all the boys who read these remarks, who have, already, become addicted to the vice of profanity, resolve to break themselves of it by immediate, total abstinence from every variety of profaneness. Let such also as have not vet become habituated to it, resolve to be free from it—to avoid associating with such as indulge in its use. Swear not at all, for it is not noble, nor brave, To Clean Window Glass.—Take fin nor wise, nor the sign of good culture, nor any-Will those philanthropists whose benevolent as-ling.

duced one-third more crop than that manured pirations encircle the globe, see to it, that their profamity?

The Revised Statutes of Massachusetts contain the following declarations concerning profanity:

"If any person, who has arrived at the age of moist, while that made from Western wheat is discretion, shall profanely curse or swear, he shall on conviction thereof, before any justice of the peace, be punished by fine, not exceeding five

> We read of one of olden times that neither feared God nor regarded man. If there be any such "as have arrived at the age of discretion, and are habitually indulging in profanity, they should not be unmindful that they are liable to fine and cost, for every violation of the aforesaid When every other means fail, the law should have its course.—Amherst Express.

LADIES' DEPARTMENT.

DOMESTIC RECIPES.

EGGS AND SAUSAGES.—Boil four sausages for five minutes, when half cold cut them in half lengthways, put a little butter or fat in frying-pan and put the sausages in and fry gently, break four eggs into the pan, cook gently, and serve. Raw sauof profane language and all its kindred vices whose sages will do as well, only keep them whole, and cook slowly.

A VERY NICE RICE PUDDING.—Take half a tea-Said another in reply, "Now we cupful of the best rice, put it in a small pie-dish do not think so much of persons who indulges in with three tablespoonfuls of moist sugar. Fill up profane language as of those who do not," a rether dish with milk and water in equal proportions,

OMELETTES.—Break four eggs into a basin, add Boys—our advice to you all is to avoid the half a teaspoonful of salt and a quarter ditto of pepwicked practice of using profane language—and per, beat them up well with a fork, put into the all idle words approaching it. There are persons frying-pau one ounce and a half of butter, lard, or who would not swear, but continually interlard oil, which put on the fire until hot; then pour in their conversation with such expressions, as, "I the eggs, which keep on mixing quick with a spoon vow'-"1 swan," and others of similar kind, that until all is delicately set; then let them slip to the will suggest themselves to the reader; also persons edge of the pan, laying hold by the handle, and that would think it awfully wicked to take the raising it slantways, which will give an elongated

It ought to be a nice yellow color, done to a nicety, and as light and delicate as possible. It an ounce of the crumb of bread cut in thin slices

TO MAKE FINE PAN-CAKES, FRIED WITHOUT BUT-TER OR LARD.—Take a pint of cream and six newlaid eggs; beat them well together; put in a quarter of a pound of sugar and one nutmeg or a little beaten mace-which you please, and so much as will thicken—almost as much as ordinary pan-cake flour batter; your pan must be heated reasonably hot, and wiped with a clean cloth; this done,

To CLEAN WINDOW GLASS .- Take finely pulverised indigo, dip it into a linen rag moistened thing else that is pure, lovely and of good report. with vinegar, wine, or water, and apply it briskly Would every girl and woman frown upon this vice to the glass. Wipe off and polish with a dry cloth. and those allied to it, all but the abandoned and This method of cleansing window glass imparts a hop-less would soon forsake it. Will parents and brilliant polish, and is far more expeditiously acteachers strive to check the growth of this vice? complished than cleaning with soap-suds or whit-



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NO. 6.

JOEL NOURSE, PROPRIETOR OFFICE QUINCY HALL

SIMON BROWN, EDITOR.

FRED'K HOLBROOK,) HENRY F. FRENCH, }

CALENDAR FOR JUNE.

"These gardens, vales, and plains, and hills, Which beauty gilds and music fills, Were once but deserts. Culture's hand Has scattered verdure o'er the land, nd smiles and fragrance rule screne Where barren wild usurped the scene



UNE, the first of the Summer months, presents, in this climate, most of the beautiful foliage, and many of the attractive flowers of the year. How every space seems filled up! How blooming and brilliant all vegetable life appears! What a polish, elegance the field, in the

wild-flowers

"Do paint the meadow with delight,"

Now we get the grand jubilate of the birds-they are all here in their new dresses, and ask no fee to attend their grand choruses. The happiness is a mutual one, for it is as much pleasure for them to sing as for us to hear; so we will plant them trees, invite them by kindness and the erec-cultivator cannot be dispensed with. tion of suitable habitations for such as enjoy a close proximity to our dwellings, and share lib- generous dews, nor admit the air and warmth beerally with them the fruits of our eare; and low. It must be light, porous, and its surface they shall pay us in their own way, by their frequently changed; then it becomes active, absongs and the destruction of some of the insects sorbing the dews and catching the fertilizing that annoy us.

a little neglect now causes not only a lighter crop, but the partial loss of the preparation of the soil and the application of valuable fertilizers-so it is a double loss.

The head must now help the hands, and decide where the forces shall move first, and how each particular work shall be done, so that there shall be no losses by delay, or misapplication of labor by doing the work twice over.

Now the thoughtful and observing farmer will put to the test some of the theories which occupied his winter evenings' attention, and enable himself either to confirm their truthfulness or expose them as fallacies. He will watch the effect of deep plowing, of fine pulverization, of high manuring, of frequent stirrings of the soil, and the effect of drainage upon plants.

The most important farm work of the month of June, is that of cultivating the crops which have and grace, in the been put in, so that they shall attain the greatest grass and flowers of possible vigor and perfection.

Hoeing, then, is the key to these results; stop young eorn plants, the grain, and the the hoe and you stop the profits. Nature, kind light green of the new oak leaves, or as she is, will no more carry on the plant to perthe glossy ones of the stately walnut. feetion, after you have started it, without your eare Everywhere about our feet flocks of and attention, than she will drive the printingpress, or the factory wheel, after they have been constructed by the mechanic. If there were no weeds, and the earth alone were to sustain the plants, the hoe might rust in idleness; but so long as weeds will invade, and the leaves of plants spread themselves to the sun and air for a considerable portion of their food, the hoe and the

A close, compact soil, will neither imbibe the streams which are ever flowing over it from above. It must be a busy month. Crops neglected in Hoe, then, constantly and thoroughly, if you will June can make but a poor return at harvest time; reap the full benefits of your earlier labors.

which make it necessary, but they are principles kind, if the weather is damp and cold. They indispensable to successful culture.

been in the habit of cultivating and gathering are not rambling beyond their own boundary. the products of the garden, are aware how towards supplying the table, and furnishing a something off the superabundance, and the resome food for the family. The vegetables and size and quality which it will attain. fruits which may be obtained are numerous, and when the management of the garden is reduced to of July pruning may be done if the time can be a system, so that a spot is designated for each spared. particular plant, it will be found easy to get it be necessary to see that the cultivated plants ocwith weeds and other plants not desired. A few general maxims may be observed with profit.

"Grow nothing earelessly; whatever is worth growing at all, is worth growing well.

transmit moisture copiously through their leaves; pleasant and rational recreation. transplanted seedlings, therefore, and cuttings, should be shaded from the sun until their roots are strong enough to supply moisture as rapidly as it is thrown off.

Leaves absorb and give out moisture, and inhale and exhale air; they are, consequently, the most important organs of a plant, and if they are destroyed or injured, the whole plant suffers.

acquire their proper hues; therefore, when kept them three times a day rather than once, for it is in rooms, their places should be as near to the less labor, and they last longer. window as possible."

Lettuce and radishes may be sown each week winter use. Celery plants may be set in the them considerably.

our lighter, gravelly soils, and now that flour is \$12 to \$13 a barrel, with a prospect that it may continue at a high price, it will be well to improve every opportunity for a good supply of this favorite grain.

Sheep and Shearing.—There has never been a greater demand for fine wool or fine mutton, than at this time; both are bringing prices highly favorable to the producer, and they become, therefore, articles of interest to those favorably situa-

We cannot stop now to explain the principles ceive a little corn, beans, or extra feed of some should also have access to salt, and be looked af-THE GARDEN.—Few persons who have not ter to see that they are not molested by dogs, and

Cherries—Plums.—If you have choice stonemuch may be obtained from one well-managed fruits, and especially on young trees, thin off large amount of seasonable, nutritious and whole-mainder will more than repay the trouble in the

PRUNING.—From the 20th of June to the 10th

INITIAL LETTER.—The young folks may look at into order in the spring. Constant attention will our illuminated letter; it may suggest to them some long-neglected brook, pleasantly meandering cupy the whole space, and are not left to struggle through a retired meadow, where the speckled trout watch for prey from under an ancient root, and from whence,-if they are skilled in the piseatory art,-they may draw a most delicious fry for breakfast! If they love "virtue and angling," Plants when exposed to the action of light, they can undoubtedly spare an afternoon for this

WASHING WINDOWS.

A correspondent of the American Agriculturist gives the following improved mode of washing windows, which, although not altogether new to us, may be valuable to many of our readers:

I have a great aversion to scouring knives, and never touch brick-dust if I can help it; but if Light is necessary to flowers, that they may their brightness depends on me, I prefer to rub

The nicest article for washing windows is deer-skin, as no particles come off to adhere to the glass and make it look as if washed with feathin the month, which will yield a constant supply ers. There is no need of any thing larger than a for many weeks. Cabbages may be transplanted hand-basin for washing windows. The great towards the close of the month for autumn and splashing some people make in the exercise of their art is entirely useless, and is, moreover, deltrench, but if the sun is hot, should be protected down in great quantities over the glass, it disby boards or something else, until they have solves the putty and soon loosens the panes from fairly taken root. Watering with water which their setting, and also stains the glass. Two has stood in the sun through the day will forward pieces of wash-leather and a bowl of suds are all that are necessary. Wipe the glass first with the wet cloth or leather, and after it has become BUCKWHEAT.—Prepare lands for buckwheat. dry, with the clean cloth, and it will look clear, This plant will yield a tolerable crop on some of and far more so than if rinsed in a dozen pails of water.

NEW POSTAGE LAW.

Letters sent to the post office and not paid, will be sent to the dead letter office at Washington, and not to the persons to whom they are di-

All persons writing us on business purely their own, must enclose a stamp for the reply.

Corn.—Soak your seed-corn in saltpetre. It ted for their production. After shearing, sheep destroys the worm, is not relished by crows or by should be carefully sheltered from storms, and re-squirrels, and yields more abundantly.

For the New England Farmer.

NATIVE AND IMPROVED CATTLE.

communication, led to another search of our natives.

cqual sum, giving an equal amount of milk, from and, out of 51 heifers and heifer calves, only 7 which, with an equal amount of labor, an equal were claimed by their owners as natives.

If it is fair to presume that these exhibitions food. Well, for the life of me, I can't see why, State nine-tenths of the stock are not natives? "other things being equal," there can be room for If we assume that the best stock of the cour a great difference.

tempt to "mystify the matter," under "an affectation of learning not to be commended." I disposition of premiums has been as follows: have no desire to mystify the matter in any degree: and, after the perusal of this article by 'Essex,'' I will leave to his cooler judgment to determine whether "secresy and double-shuffle" through the secretary and double-shuffle shuffle shuff of the term "native," as applied to our stock. nine-tenths of which, he says, are native, and "nothing different from natives."

held their first eattle show, at which was exhibited the imported Teeswater bull "Denton." If while from 1848 to 1854, both inclusive, there nine-tenths of the stock on the best farms of the were entered of best county of the Commonwealth could show his hand where the State Society's premiums would go next year. "Admiral," another imported or 457 native of all classes, against 1067 of imbull, graced our shows in 1825, 26, 27 and 28. In 1836, a full blood Ayrshire bull was sent into In 1836, a full blood Ayrshire bull was sent into One thing no Worcester county furmer will the county by the Massachusetts Society. In deny, that, beginning with Denton in 1819, our And in 1848, the renewed munificence of the State provement must have been caused either by great-society put us in possession of two bulls, one an Ayrshire, the other a North Devon. In addition to these animals, there have been many others State, Connecticut and New York.

Up to the year 1828, the breed of the animal it?

that year inclusive, of bulls and bull calves entered for premiums at the different shows, the blood of which was given by competitors, there FRIEND Brown:—At the time of first writing, were 126 of improved to 24 of native breed. I do through the Farmer, to "Essex," about breeds of not find the records from 1839 to 1842. From cattle, I intended to examine the books of our County Agricultural Society, for the yield of the various premium cows, and to institute a comparison of yield in reference to breeds. But I were certified to be, in whole or in part, of foreign are marks as a convenience which would be safes. ear make no comparison which would be satis-blood, improved—36 only being entered as native. factory to any one, on account of the great difference in manner and amount of feed. Failing in exhibited 37 native cows, against 34 of mixed or their attempt, I laid down my pen. But the peimproved breeds; while from 1848 to 1854, there culiar reply of my friend "Essex" to my former were 103 of improved breeds against 39 called communication.

"Esex" says that if I had charged him with partiality instead of prejudice, he would have "owned up;" for "I must confess," he says, the things being equal," I do like "our own less than foreign breeds." My friend wont bulls and bull calves, cows, heifers and heifer than foreign breeds." My friend wont bulls and bull calves, cows, heifers and heifer than foreign breeds." My friend wont bulls and bull calves, cows, heifers and heifer than foreign breeds." All him that my balls and bull calves, cows, heifers and heifer than foreign breeds." take it amiss, I know, when I tell him that my calves, 1115 entries, 784 of which were classed as inclination to laugh, at this point, was irresisting inclination. In 1854, out of 33 bulls and bull independent of the point in dispute !— Other things of 39 cows, 2 only were entered as natives; and being equal."

Why should either of us care I will give "Essex" one of these two if he does about the mere accident of birth-place, "other not pronounce her a grade Durham, and high things being equal?"—that is, all cows costing an grade at that. I entered her as I bought her,

could be manufactured-the cows keeping in offer a fuir pro rata exhibit of our stock, then equal order, upon an equal amount and quality of Essex must admit that in the lest county of the

If we assume that the best stock of the county a great difference.

"Essex" accuses me of being "sensitive" to of the community the best of that exhibited has the use of the term "native," when applied to been and is now in whole or in part of foreign animals, and indirectly charges me with an at-blood, and so, properly, called "improved."

Because from 1843 to 1853, both inclusive, the

Bulls and Bull Heifers and

From 1842 to 1847, both inclusive, there were

Heifers and Calves. In 1819, the Worcester Agricultural Society Native. Imprd. Native. Native. Impr'd.

Heifers and Calves. Bulls and Calves.

1842 another animal, of the same blood, was prestock, whether for the dairy, the shambles or the sented to the society by Hon. John P. Cushing. yoke, has been very much improved. This impact is 1842 another animal, of the same blood, was presented to the society by Hon. John P. Cushing.

from the herds of different individuals in this as an almost universal thing, are our premiums bestowed upon animals the farthest removed from

was not generally entered on record. Still, to If, in a county favored with the presence of

sex can properly say there exists a native trend, washing days. A. J. Downing, late editor of the by which I mean one indigenous to the councy, ! Washing days. A. J. Downing, late editor of the by which I mean one indigenous to the councy, ! Washing days. do not understand the force of language. I now Morticulturist, says: "I have seen the Isabella stop to inquire of my friend Essex what constituting produce 3,000 fine clusters of well-ripened ing charged with an "affectation of leave ing" in from the weekly wash." Yours. so doing.

MANURE YOUR FRUIT TREES IN EARLY SPRING.

Almost every mail brings us inquiries relative to the manuring of fruit trees. Fortilizers should grew about six inches the first five days. be applied to fruit trees in early spring: for the sap first formed is that which contains at least the any one who has never attempted it before. Unuble during a long winter, and, therefore, occupies the first quantity of water taken from the soil by the tree in the spring; and if the soil be ful crop of luscious grapes, and a vine greatly ordeficient of the necessary ingredients, they should namental to the grounds and dwelling. be added, and our various articles on fruits and fruits trees will give the necessary manure re- er prune at all, until the vine has grown one or trees during the summer, acts but to dilate the two years, for it needs the aid of the small quired. The great mass of water passing through portions of soluble materia's already resident with- branches in order to push forward large and vigin the tree. It is true that new portions are our roots. Late in October or in November is a being continually taken up from the soil, but certainly in a much more diluted state. Ashes and the spring. As the fruit grows on new wood soluble phosphates are found useful for most the spring. As the truit grows on new wood kinds of trees, while the disturbance of the soil every year, in pruning it is necessary to cut back insures the admission of atmosphere. Manares the branches to within two or three eyes of the containing the carbonate of ammonia, such as main stem. The cultivator will find plain direcguano, should not be applied in spring, as they can only safely be used for fruit trees in the fall. thus permitting the soluble and more visulent portions to become divided over a large area before spring growth commences. This is not the Never pinch off the leaves to aid case, however, with the improved super-phos- of the fruit, as they are placed there for the very phate of lime and some other manures, in which purpose you desire to accomplish, the ammonia exists as sulphate, and not as carbonate of ammonia. Line may be applied in moderate doses, fairly sub-divided by soil, around you will be thankful to him who gave you the apple trees and such others as may need this fer-hint. tilizer. - Working Farmer.

PLANT A GRAPE VINE.

rod of ground whereon plants may grow, can the manner how it is done, is not so generally unscarcely do better than to set a grape vine of the derstood. That moisture is formed by stirring Concord, Isabella or Diana varieties. The first the dry particles of earth and changing their relacost is triffing, and the after-care of them, more Witten is composed of express and nitrogen. of a pleasure than a task. The grape is not only These substances are also contained in different palatable and nutritious for those who are well, proportions, in the earth and atmosphere, and but is exceedingly grateful to the sick, giving are, to some extent, formed by the action of differtone to the digestive organs, and healthy action ent particles of earthy matter upon each other, to the whole alimentary canal.

soil is ready for the root.

After the plant is set scatter on strawy manure, are generated, and caused to unite, and form

many of the best animals of foreign blood brought or leaves, and through the summer occasionally into the State from 1819 to the present day, Exthrow upon this the contents of the tubs on tutes a cow of native breed? at the hazard of leafrait in a season, by the liberal use of soap-suds

The effect of soap-suds on other plants is sometimes surprising. A cypress viue which had remained stationary for a fortnight, when about two inches high, immediately commenced growing after a good watering with soap-suds, and

With a little care this may all be well done by years you will be amply repaid by a most beauti-

PRUNING.—The grape vine bleeds readily. Nevproper time—never when the sap is in motion in tions in Cole's Fruit Book, which costs but fifty cents, and it will enable him to see the whole

Never pinch off the leaves to aid the ripening

Plant a grape vine, and before long some of

HOEING IN DRY WEATHER.

Experience has fully established the fact 'at corn, and other crops, are essentially benefited. Every person who has the control of a square hoeing in dry weather, but the reason why, or

Water is composed of oxygen and nitrogen. when brought into contact, as done by hoeing. Water acts as a solvent of other substances, and Before setting the root, throw out the earth, to holds them in solution so that they can be taken the depth of two or three feet and fill up ten inch-es with coarse manure of any sort, old bones, oys-ing plant. This is the reason why it is best to ter shells, &c., and then throw in rich loan; in-sow or plant seeds as soon as possible after the to this rake a few quarts of house ashes, then all land has been plewed or harrowed. The different particles of matter coming together, form new reup with loam and composted manure, and the lations and produce a chemical action, during which heat is evolved, and oxygen and hydrogen

After the soil has remained quiet for some time, absorbing ammonia liberated during the fermenthese substances having exhausted their energy, tation. The slight use of dilute sulphuric acid and can only be restored by renewing the chemi-jacter. cal action. This can be done by applying some or three weeks, will come to maturity sooner, pro- and rendering part soluble which otherwise would duce more, and be better filled on the cob, than for a time remain comparatively inert.— Workit will when treated in the usual way. We would ing Larmer. recommend to our farmers, to select two or three rows in the field and hoe it regularly once in two weeks, and in the fall inform us of the results of their experiment.—Anon.

LONG AND SHORT MANURES.

the arguments that should be understood, are not there given. Those who have long manures on and hand in the fall, and have lands intended for use in the following spring which may be plowed in the fall, and which soils contain a sufficient For about a week past, we have been favored ammonia, may fertilize with long manures, deeply soft south winds with rain, infusing mother plowed under; for the decomposition of these manures will be sufficiently slow to insure the absorption and retention of all their ammonia by slow decay will assist in arrating by giving free and admission of atmosphere, while the spring plowing will elevate and mix the manures throughout the soil.

of carbon to receive and retain all the volatile we may derive from thoughtful observation of of the manure, but for soils that are plastic and and influences trending at times to drag down our clayey, requiring disintegration from the action of winter frosts, we would fearlessly recommend spirits and blunt our finer sensibilities, how fitthe same argument which may be used for the admixture of inert materials of a carbonaceous posed manures.

water; which with other substances act upon twice a week on the muck, and thus prevent firethe seeds and produces germination; and gives to tanging, the admixture of decomposed swamp the new-born planta vigorous start into existence. muck, and other carbonaccous matters capable of by nutralizing the powers of each other, the plant or of plaster, or other sulphates capable of changhaving absorbed all the elements of nutrition with- ing the carbonate of ammonia to sulphate of amin reach of its roots, its growth becomes retarded, monia, will also do away with its volatile char-

The facility of adding the missing constituents compost mannire or by hoeing or stirring the earth, of the soil to the general compost heap in soluso as to bring different particles into contact with tion is very great, many of which, particularly each other and forming new combinations, and those of an alkaline character, will assist in the consequently, thus producing a further supply of decomposition of the manure by softening the nutritious matter. Corn, that is heed every two woody fibre, liberating the inorganic constituents,

, For the New England Farmer.

SPRING---LOCUST TREES.

Mr. Brown: -- Winter lingered so long with us in this quarter, cramping the atmosphere with cold and frost, that the early Spring made but An excellent article on this subject, quoted slight impressions, and it almost seemed as if "the from the Germantown Telegraph, will be found trembling year" would remain "unconfirmed;" on page 67 of the present number, but some of but at length a decided change is taking place,

> --- "surly Winter passes off, Far to the north, and calls his ruffian blasts."

amount of clay and carbonaccous matter to retain with frequent alternations of warm sunshine, and the supernatant portions of the soil, and their the brooks roar, the birds sing in varied melodies,

> "From the moist meadow to the withered hill, Led by the breeze, the vivid verdure runs."

How rapid and striking the transition from We do not advocate the use of long manures in spring, or at any time in sandy or very loose soils, unless those soils are black by the presence rich, varied and important are the impressions gases which may result from the decomposition the Seasons. Beset as our life here is, with cares ridging and black furrowing, and the covering up ting that we should often sequester our minds in these ridges of long manures; for certainly for a little season from the anxieties and eager pursuits of earth, elevating them to the contemcharacter in the compost heap, apply with equal plation of an ever-present Deity in His works, fairness to such soils as are capable of retaining and reading the instructions they communicate. ammonia, being fertilized with long or undecom-Especially in the delightful season of Spring may the mind be ennobled and refined by an attentive For hoe crops, and many others requiring soil study of those works. This too is eminently the in find tilth, the decomposed manure should then season to enjoy the productions of the great masbe used in preference to the long, which, from mechanical causes, would interfere too seriously ters in poetry, and appreciate some of their most ters in poetry, and appreciate some of their most term in poetry, and appreciate some of their most mechanical causes, would interfere too seriously with the action of tools intended to disturb the beautiful and sublime sentiments. Greatly may soil, causing the undue disturbance of roots, we cultivate and refine our tastes and sensibilities breaking off their fibres, etc. But the treatment and quicken and enlarge our powers of observa-of manures to render them short, should be such tion and reflection, by an occasional communion in the compost heap, as not to permit the loss of ammonia, and all the facts in relation to such with these grand authors. No matter what our treatment we have before given, such as the ar-situation or calling in life, we should undoubtedrangement of a pump, return of the drainage by rise to our high privileges as rational beings,

and find time to exalt that immortal element taken from the land—the crop yearly increasing and improved by such an experience?

"When heaven and earth, as if contending, vie To raise his being and serenc his soul, Can he forbear to join the general smile Of Nature? Can fierce passions vex his breast, While every gale is peace, and every grove Is melody?

mornings of the present week. But my particu- roots. lar purpose in taking that walk was to comply upon the soil.

rye, so that when the land came into Mr. Cune's with the yellow locust. hands it would not bear grass, and was of no value for production. Mr. Cone had read that several good apple orchards have been started, the locust tree would improve such land. In the which bear evident marks of the owner's skill spring season, about twenty years ago, he bought and taste as an orehardist, and which at no dishalf a pound of the seed of the yellow locust, at tant day will add materially to the income of the a seed-store in Boston. As soon as the seed ar- farm, and to its money value. Mr. Cune is conrived at the farm he poured boiling water upon siderably engaged in the nursery business, and it, scalding it for a minute or two, then added has an excellent stock of young trees of approved enough cold water to reduce the temperature to varieties of the apple and pear. Persons in this about blood heat, and let the seed soak over region desirous of commencing young orchards, night. It was then sown in drills in the gar- would do well to look at his nurseries before proden, as one would sow best seed, and it came up curing trees at a greater distance. well. The little trees or sprouts were allowed to stand in the garden till the following Spring, when they were transplanted to the knoll where they now are. The transplanting was done by striking furrows with the plow, about twenty feet apart, then placing the little trees in these furrows, from five to eight feet apart, and covering the roots with a hoe. The land was then fenced from cattle, the fence remaining for about yard. One cubid yard would give a trifle over ten years, when it was removed, and the land has since been pastured.

within us to contemplations above and beyond in amount and improving in quality. The trees the mere practical affairs of life. Strolling out have grown finely, and many of them would now of a fine morning in Spring, the mind all opened make the best of fencing stuff. The land, which and awake to the impressions from Nature, and was not worth \$10 per acre twenty years ago, perhaps recalling some noble sentiment uttered could not now be bought for six times that sum. by a master spirit when contemplating similar In addition to the value of the trees now standseenes, how much may what we then see and feel ing on it, the land furnishes excellent pasturage, serve to strengthen us anew for the battle of life, —the white clover predominating largely in the and to rise superior to any depressing or wither-sward. The trees have greatly improved the soil ing influences that may beset us in our pathway, by their annual deposit of leaves, which, lying Can any sensitive man fail of being quickened still where they fall, coat the surface and keep it mellow and soft, and the sward open, so that the grasses do not become bound at the root, but afford a tender bite of pasturage, much relished by the cattle-inclining them to remain much in the grove, preferring the locality before any other portion of the pastures. The borers have Reflections like the foregoing in part occupied occasionally destroyed a tree, but new sprouts my mind while walking out one of the beautiful have in such case invariably sprung up from the

This grove is well worth looking at, and fully with an invitation from Mr. Solymau Cune, of confirms the statements I have heretofore made this town, to observe his plantation of yellow lo- in the Farmer, relative to the improvement of cust trees, and the improvement of a very poor poor land by planting it with the locust tree. piece of land by the plantation; and the design This, in my judgment, is one of the cheapest which prompted me to take up my pen at this and best of modes for improving rough stony time was to speak of these trees, and their effect lands of a thin soil, or old pastures which refuse to give a bite of grass, and are too steep or far This grove of locusts embraces about two acres from home to be accessible with the plow and of a rough, stony ridge of land, naturally of a manure cart. There are numerous acres of wornlight, thin soil, which had long ago been worn out pasture lands in New England which may out by a previous owner, with successive crops of unquestionably be improved by planting them

In passing over Mr. Cune's farm, I noticed

F. Holbrook.

Brattleboro', April 18, 1855.

How much Manure do we Use on an Acre?— An acre of land contains 43,560 square feet, 4,-840 square yards, or 160 square rods. By those who have used guano, it is said 300 pounds is sufficient to manure an acre; 3021 lbs. would give just one ounce avordupois to the square one cubic inch to the square foot. A cubic yard of highly concentrated manure, like night soil, would, if evenly and properly spread, manure an During the last half of the period that the acre very well. A cubic yard of long manure grove was fenced, an annual crop of hay was will weigh about 1,400 lbs.; a cubic foot not far from 50 lbs. A cord contains 128 cubic feet; a cord and a quarter would give about a cubic foot to the square rod. If liquid manure be used, it would take 170 bbls. to give one gill to a square foot upon an acre, which would be equal to about 50 pipes or large hogsheads. It would be quite useful if farmers would be a little more specific as to the amount of manure applied .-Rural New-Yorker.

For the New England Farmer.

GUANO AND OTHER THINGS.

Mr. Brown:—I wish to make a few inquiries through the Farmer.

effect?

2. If the same worth of plaster is applied, will

it do as much good as guano?

3. If the same worth of slaked lime is applied as of guano, will it have the same effect?

4. Which are the three best kinds of potatoes

planted in New England?

5. Which is the earliest kind of corn? Let me know where the potatoes and corn can be got, and prices?

6. What breed of hogs and hens is most pro-

ductive and profitable?

guano or superphosphate of lime?

8. Is there any improved plow for use on rough, stony and steep land, for sale in Boston? different patterns, but as yet have got none equal to the old style. Why do not some of our scienflats?

By answering the above inquiries you will oblige many New Yorkers. S. W. RENALDS.

Petersburg, Rens. Co., N. Y., 1855.

Remarks.—1. We believe the same money value of ashes on an aere of land, would be of more service than an equal cost of guano. 300 pounds of guano would cost \$9; at a shilling a bushel, nine dollars would bring fifty-four bushels of ashes.

- 2. It depends so much on the condition of the land, that any reply we could make would shed no light upon the subject.
- of wheat was to be taken, we should greatly pre- use fallen lime, or hydrated lime in powder: the fer the lime. On a dryish, sandy loam, we should cut side takes up the lime, and prevents its exprefer the grano prefer the guano.
- has affected it so seriously for several seasons, that our people introduced various other kinds. Among the other sorts, the Peach-blow, Carter, Davis Seedling and State of Maine stand high.
- from \$2 to \$3 a bushel, and sold at the seed whole field next season cut side up. stores in Boston.

- 6. Hogs, half Suffolk; hens, a mixture of the best you can find.
 - 7. Do not mix these substances.
- 8. There are plows in Boston suitable for all sorts of land.

For the New England Farmer.

PLUM TREES---TAP ROOT---POTATOES.

Mr. Brown:-I have now been in this country, (from England,) two years. I have purchased your paper every week, and do still, and if every farmer in the United States does not get it, they ought to, as it is full of information. have travelled through Europe and part of Asia, 1. If the same worth of ashes is applied to the and am always glad if I can do good to any counground as that of guano, will it have as good an try I pass through. I see in your Saturday's paper, headed "Sucker Plum Trees," Mr. Smith has answered that fully and satisfactorily as regards suckers, for you must never expect fruit, at least good fruit, from below the graft, but there are eases where even grafted trees blossom and not bear fruit, and in this case, ninety times out of a hundred, the tree has a tap-root, and if so, do not expect much fruit, but dig down and see if there is a tap root; if so saw it off, and saw it close to the ball of the tree; but no tree if properly planted can have a tap root. In France, Belgium and England they place a slate or flat stone, 7. If the ashes, plaster and lime are mixed in and plant the tree upon it; by this means, the equal parts, will they have as good an effect as roots branch out, and you can have no tap root. You must never expect to raise fruit from suckers. When Mr. Cobbett left Long Island, (he was a great agriculturist) he did all he could in I have seen and bought some fourteen plows of England to raise or produce that beautiful apple, (I think you call it the Newtown Pippin;) he took grafts with him and grafted them on Paratific farmers and mechanics make improved tools disc stocks, viz., stocks raised in England from for rough, stony land, as well as for the smooth the pippins of apples. Some of them he let grow three years, and wrote back to Long Island for more grafts. When he got them, he cut off those which had grown three years, and grafted again with his newly imported ones from Long Island. They grew and fruited, and were good apples, but not to be compared to what he had in Long Island, and he very truly said it was American air and land. We cannot produce apples or pears in England, equal either to you, France or Bel-

I will now say something about potatoes, which Cobbett railed so much against; for the last eight years, the farmers have adopted a system, (and I am proud to say that I was the originator of it) which is within every poor man's grasp; viz., when the potato is kept for seed, 3. On some soils, as a rich loam where a crop throw it into ground plaster; in England we worms, snails, or other vermin attacking it. I 4. The white Chenango has been the favorite in see that small potatoes are sold for seed; they Boston market for several years—but the disease may do well, but I prefer a good sized potato set, that is a potato of good size, cut in two or three, pieces, and leave two eyes or sprouts; but even in the small potato set, I should recommend a small portion chipped off and thrown into plaster or lime. If you wish to prevent disease, always 5. The earliest corn is the Jefferson, and is sold plant your potato with the cut side up; try it on on the ear at \$2 a hundred; the potatoes at a small scale, if you like, but you will plant the

AN ENGLISH FARMER.

Fall River, April 24, 1855.

For the New England Farmer.

THE DAWN OF MAY.

O, the sky is blue, and the sward is green,
And the soft winds wake from the balmy west!
The leaves unfold, in their gilded sheen,
And the birl in the tree-top builds its nest!
The truant Zephyr light plumes his wings
Once more, and quits him his perfumed bed;
Soft calls on the sleeping flowers to wake,
And sportive roams, e'er cach dew-cjad head!

The Blue Bells nod them within the wood,
The Snow Drop peeps from its milky bell,
The Motley Thora bends her hood,
Whilst beauteous wild flowers line the dell?
The Wild Briar Rose its fragrance breathes,
The Violet opes her cup of blue,
The timid Primrose lifts its leaves,
And King Cups wake, all bathed in dew!

From flower to flower the wild bee roams,
Then, buried within the cowsilp's cup,
He murmurs his low and music tones,
'Till she folds the wanton intruder up!
The spring bird, wakening, soars on high,
Gushing aloft its melting lay,
Whilst painted clouds flit o'er the sky,
All ushering in the dawn of May!

Like a laughing nymph, she springs to light,
And tripping along, in her world of flowers,
Brushes the dew in the morning bright,
And weaves a joy o'er each heart of ours!
With frolic hands, the Daisy nack
From the lap of green she playful throws,
Whilst the loveliest flowers spring round her feet,
And fragrance bursts from the wild-wood rose!

O, then glad is the heart, as through leafing trees, The soft winds roam them in music play; Whilst the sick come forth for the healing breeze, And rejoice in the birth of the beauteons May! And glad is the heart of the joyons child, As bounding away through the tangled dell, It roams 'mid the flowers, in green broods wild, And hunts the caged bee in the cowslip's bell!

O, bright is this world! "Tis a world of gems!
And loveliness lingers where'er we tread!
On the mountain-top or in lone wood glens,
A spirit of Beauty o'er all is spread!
Then warmed be our hearts to that kindly Power
That scatters bright roses o'er life rough way—
Who unfolds the cup of the snow-drop's flower,
And mantles the earth with the gems of May!

For the New England Farmer.

ABOUT THE STATE OF MAINE POTA-TOES.

Mr. Editor:—The potato called the State of Maine, is a seedling raised first by D. Bearce, of Hebron, Me.,—known in this State, as the "Bearce Potato." They are raised to some extent in Hebron, Minot and Poland; and called, by the inhabitants of the above places, the best of anything called Potato. Seeing them advertised for seed by M. Tombs & Co. in your valuable paper, I thought I would make the above statements, together with what I know of them as to quality &c.

And first, we think they are the best for the table of any kind we ever raised, and second, sell the highest in market. The first I raised, I planted two bushels on green sward without dressing; harvested fifty-eight bushels very nice protatoes, which was two years ago. Last season dent of its truth.

I raised five hundred bushels of them. One half acre broke up as late as the 10th of June, on which I put three and a half bushels seed, "small potatoes," yielded over one hundred bushels, and I think there would have been near double had it not been for the drought. One piece on light dry land did about half as well; another piece on moistish new land did better than either of the above; on this last piece one end where the drought did not effect them, fourteen hills filled a bushel, without dressing, except plaster.

I would advise those who plant them to choose a moist situation; and not to hurry about planting till the ground is suitably dry, then plow deep, and plow in the dressing, if barn manure is applied. Plant no deeper than corn, and seed

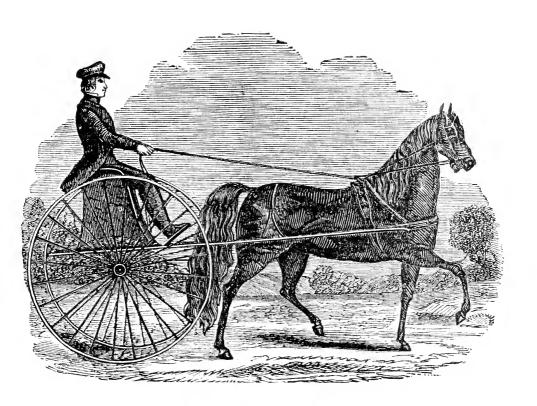
My method has been, for the last eight or ten years, in the cultivation of potatocs, to hoe soon after they are up, stirring all the ground to kill the weeds, and then when they are large enough hoe again, making a small oval hill, say as large as a half bushel, if the ground is dry; broader and flatter, if moist, narrower and higher.

I have for this length of time used for seed small potatoes, with the exception of a bushel or two large ones for experiment sake, and am satisfied the small ones do as well as large, if I am careful to seed light, say about six bushels to the acre. I cut all my potatoes for planting, those as large as an egg or larger in four, and those smaller in three and two pieces, putting two pieces in the hill. I never furrow for planting; I used to, and got them too deep. My crop usually averages about two hundred bushels per acre, semetimes more, hardly ever less.

W. A. Tobies. Mechanic Falls, April 23, 1855.

PRACTICAL EFFORT.

The question is occasionally asked our agents whether the editor and the writers for the Farmer are practical men? They do well. Theory and practice are quite different things-in agricultural operations they ought to go together. One may form a plausible theory, and find, when he brings it to a practical test, that it will not answer his expectations. Aware of this, the Proprietor has secured a corps of writers who are all, we believe, practical operators upon the soil-gentlemen who not only direct others, but labor with their own hands. The Proprietor himself, the Editors, and we think nearly every contributor, ladies and all, are owners, occupiers, and tillers of the soil,—and persons who at the same time study and endeavor to penetrate the areana of the great art. They are not wedded to old customs and usages because they were observed by the fathers, and have the sanction of age,—but heartily embrace the new and useful, and keep the world moving and prospering, and transferring to the elements and animals an immensity of toil heretofore imposed upon human limbs. What we



MESSENGER BLACK HAWK.

State of Vermont; his dam was sired by Bush in this vicinity to very many good judges, are Messenger, State of Maine; his sire was Black considered to be unsurpassed by any other stock Hawk, making an extremely good cross, and horse in New England; one hundred dollars giving in this case the size of bone and muscle often, and in some instances as high as two hunincident to the Messenger breed, which are large dred, have been offered for his colts four months horses, and still giving all the activity, style and old. As to the extent of his speed it is not known, beauty of movement which Black Hawk displays, but he is warranted to trot one mile in three and The Messenger Black Hawk was three years old a half minutes on Cambridge Park, or fourteen last August; he stands more than sixteen hands miles in one hour. high; his color is jet black; his weight ten hundred and fifty pounds; his symmetrical propor- among the highest class of stock horses, and will tions and beauty of form, his light and airy be kept for that purpose for all who wish to raise movement, cannot be surpassed in the world; he fine horses. bids fair, thus far, to make one of the fastest trotting stallions in the country. He will be of all the mares left or sent to the proprietor. kept the coming season at the stable of D. T. Sargent, in Boxboro', Mass.

known Bay State Horse; he was raised in Mid-another of Saxton & Co.'s excellent agricultural dlesex county, Mass., and will be five years old publications, containing, 1. The physical laws on next June; his pedigree is Black Hawk and Mor- which the drainage of lands depends. 2. The gan; his color is a very dark mahogany bay; principles and system of drainage. 3. Examinahis weight eleven hundred pounds; his colts are tion of land preliminary to drainage. 4. The

The above cut represents the Messenger Black stock to make him worthy of the highest honors Hawk in harness; he was raised in Orange county, as a stock horse; his colts, which are well known

These two horses, to say the least, will rank

Keeping will be furnished and due care taken

D. T. SARGENT.

Also, will be kept at the same stable, the well Munn's Practical Land Drainer.—This is yet quite young, but enough has been seen of his different systems employed-deep drainage exdrainage explained, together with practical dithat relates to the subject. A capital work-one the store, office, or mechanic's shop. that ought to be studied by every farmer. The work is illustrated by diagrams of all the forms of drains, and the tools necessary to work with.

A FEW FACTS FOR FARMERS.

And it may be as well for a few other classes to learn the same facts; and first, the great fact that of all trades and occupations, the farmer's is the only one that never suffers by "hard times," "commercial distress," "great fall of stocks," or any other of the thousand and one terms that tell of ruin to many of the denizens of the city.

It is a great fact that the farmers, as a class, are now the only class that is prosperous, while all other classes are groaning under the evils of depression in business, and want of employment of those who labor to live, and are dependent

upon daily toil for daily bread.

At this very moment, while the laborers of the city are suffering for food, the farmer is realizing the highest prices he has received for many years for every description of farm produce. Think of whole droves of bullocks selling for over \$100 each. What a price for beef! It is II to 11½ cents for every pound of meat in the four quarters, and the present week it is even higher than

Sheep, that will dress less than 56 pounds, have

sold in droves at \$5 and \$6 per head.

Then, we pay five or six cents a pound for flour, and we butter our bread at 28 to 34 cents per pound. Potatoes—that indispensable necessary of an American table—are still dearer than bread or meat for human food.

In short, it is a fact that every product of American soil is selling at a price more remunerating to the laborer than any other laborious employment, and yet the earth lies untilled.

Thousands and tens of thousands of acres of rich soil, offered for sale at a trifling price, are lying as idle as they were a thousand years ago. Why is it so? Why do not these laborers raise their own bread and meat? Why do not farmers stick to their trade, and why do not others There is certainly "a screw loose" in some of the fall into that occupation!

We think we can answer.

The first grand reason is because there is a most abominably foolish opinion prevailing that any other employment is more respectable than that of a farmer. This false impression is quite as much owing to those engaged in the business as to those who are not. Children are taught from early ages, by mistaken parents, to look for some other means of livelihood than the "dirty business" of their fathers.

There is a continual longing to escape from the

prison-house of the farm.

The natural consequence is, that all other occupations are full, and all in them, in their turn, are taught to look with contempt upon the farmer and his occupation.

The great evil is a want of pride of easte on the ment.-N. Y. Tribune.

plained, its use in cutting off springs, surface part of those who should hold the first rank in society-land cultivators. It does not follow because a man is a farmer that he should be a fool, rections, levelling, form and depth of drains, or even a laborious drudge. None but a fool filling up the cuttings after the drains are con-need be that. There is just as much room for structed, stoppage, syphon drains, and every thing leisure, study and improvement on the farm as in

> If we could only contrive to elevate the character and standing of all who cultivate American soil, we should have not only a more numerous, but a more happy class of farmers. The difficulty now is, they are ashamed of their calling, and do not try to improve their condition; and therefore, sink down into drudges, working like carthorses for their daily allowance of fodder.

This is the cause of scarcity of farm labor, and that scarcity produces the present high prices, without producing a corresponding profit to the cultivator. Why? Because he has to pay an extra price to induce labor to flow into that channel. He is in a constant struggle to keep up appearances, and rival his speculating neighbor, who is flourishing upon "borrowed capital," and generally does break whether he ought to or not. His children are bound to be "young ladies and gentlemen"—that is, idle and useless incumbrances upon the farm-and to despise their home, instead of loving and elinging to it forever.

Traced directly home to that cause can be the sad history of many of those who are suffering

famine in the city at this moment.

There is another cause—another great fact for our farmers—the most of them are as ignorant of the first principles of their business as Hottentots. Thye dig and delve in the same path that their antiquated grandfather trod in the previous century, without ever thinking whether it is right or wrong.

Beside our own native ignorance that still persists in plowing the surface of land only two inches deep, so that it is drowned at one season and burnt to dust at another, we are constantly importing ship-loads of people more ignorant still than ourselves. With this native and imported ignorance, with only about one-half the hands that should be employed upon the farm, we are trying to grow food enough to feed the workers and idlers, and make large annual profits to invest in "stock" other than farm-stock.

With the present high prices, stock in a good farm should be the best stock in the world. That it is not, the fault is in the farmers themselves. machinery of society that needs a little tighten-

If it be a fact that the price of eattle which is now prevailing throughout the United States is in consequence of an insufficient number in the country, it is a fact which ought to make every farmer in America blush for shame.

Out upon the man that eries out upon the hard times and want of money, when he might have fifty bullocks for sale at \$100 a head, yet has not one; perhaps has to buy his own meat.

We close with a repetition of this one fact, that there is no employment in the world more honorable, more respectable, or more honestly and certainly remunerative, than that of cultivation of the soil. The business only needs improveFor the New England Farmer.

WORMS IN CORN-STALKS.

This worm is a great pest to the farmer, and, although the complaints of its ravages are not so long and loud as those made against the cut-worm, yet it is none the less destructive to the interests of the corn-grower. As no article in any of the agricultural journals relating to its history has met my eye, and finding but few people conversant with its habits, you will pardon me for giving the results of my own observation.

Its color, when matured to full size, which is from one inch and one-eighth to one inch and one-quarter in length, is a bright red and slate color, interspersed with white. It deposits its eggs both on the corn and on the dry stover, and it is probable that but few kernels of corn gerdestroyed, but it will have a yellow, siekly appearance for a long time after its appearance of which is generally covered by the worm's in the latter place at the same time. chips, besides the last or top leaves being perforated with numerous small holes. Some fields are injured in the above manner more than fifty per cent.

The remedy for this devastator is very simple, being merely to plant the corn near the surface of the ground, and be sure and not hill up any at the first hoeing. I have never seen corn and often sublime phenomenon, so often witnessed dropped in the bottom of the furrow, or covered since the creation of the world, and so essential its operations; and, by the way, I have never facts derived from observation and a long train seen any thing that would stop the ravages of the of experiments must be remembered: cut-worm so effectually, as to pull the dirt en-

work the most destructively just after the corn or cease to be absorbed by the air when it was has been hoed. When corn has been favorably once fully saturated. started, it grows faster than the worm gains appearance of the tassel, the worm being then proportionally greater in warm than cold air. about one-half or three fourths of an inch long. I have counted, in once crossing a field at this warmer than it is in the region of the clouds. stage of the corn's growth, as many as thirty or The higher we ascend from the earth the colder forty just coming into daylight. Perhaps Dr. do we find the atmosphere. Hence the perpetual HARRIS can favor us with some light on this sub-snow on very high mountains in the hottest ject. Corn-grower.

Hanson, Feb. 7, 1855.

For the New England Farmer.

PEACH CROP AND COLD.

Mr. Editor:—In the Farmer for March 24th is an article under the title, "The Peach Crop," cooler latitude, its capacity to retain moisture is stating some facts with regard to the loss of the diminished, clouds are formed, and the result is stating some facts with regard to the loss of the peach crop in Connecticut, a few years ago, in different localities, and under very different degrees of cold; the writer concludes with two inquiries:—"Who will inform the public where the exact frost line of the peach is?" Another question for the eurious is, "At what temperature the peach tree is killed by the frost?" and the result is maintained, crouds are formed, and the result is peach crop in Connecticut, a few years ago, in rain. Air condenses as it cools, and, like a sponge filled with water and compressed, pours out the water which its diminished capacity cannot hold. How singular, yet how simple, the philosophy of rain! What but Omniscience could have devised such an admirable arrangement for watering the earth.—N. Y. Observer. ture the peach tree is killed by the frost?"

Permit me to say, that there is no "exact frost line of the peach." Peach trees, and other trees, may be killed by a degree of cold at one time, ish, and the flower is so called from its fancied which would not in the least injure them at an-resemblance to a turban.

other. While residing in Massachusetts in 1831, my peach trees were not injured by the extreme cold in the least, but bore an abundant crop the following year. A few years later, I lost most of my peach trees, especially the smaller ones, by a degree of cold much less intense. In the former ease, the cold increased gradually, and continued intense for a long time; in the latter case, the change was sudden, and came on in a few hours, after a month of spring-like weather, during which the buds of the trees had swollen, and the bark had become loosened from the wood. My orchard was situated in a warm valley. I lost several young apple trees at the same time, and from the same cause. Peach trees in colder situations were not killed. I have, since that time, given considerable attention to the subject, and have noticed that trees are injured much more by minate but what have one or more of these enter the state in which the buds and bark are, when its germ. It is seldom that the stalk is wholly the cold takes place, than by the mere degree or intensity of the cold. Trees may be destroyed in New Jersey, when they are not injured in Massaabove ground, until it shows the tassel, the top chusetts, though the cold is much more intense,

Orleans.

Brownington, Vt., March 26, 1855.

THE PHILOSOPHY OF RAIN.

To understand the philosophy of this beautiful very deep, but what was more or less affected by to the very existence of plants and animals, a few

tirely away from its roots, as the worm cannot times of a uniform temperature, we should never or will not work much above ground. have rain, or hail, or snow. The water absorbed Any one who has made much observation on by it in evaporation from the sea and the earth's this subject, will remember that worms always surface, would descend in an imperceptible vapor,

2. The absorbing power of the atmosphere, and strength, and will throw it out previous to the consequently its capacity to retain humidity, is

> 3. The air near the surface of the earth is climate.

Now, when, from continued evaporation, the air is highly saturated with vapor, though it be invisible and the sky cloudless, if its temperature is suddenly reduced by cold currents descending from above, or rushing from a higher to a lower latitude, or, by the motion of saturated air, to a

so finished lines merit. - E.r.

FLOWERS.

O! they look upward in every place Through this beautiful world of ours, And dear as a smile on an old friend's face, Is the smile of the bright, bright flowers! They tell us of wanderings by woods and streams; They tell us of lanes and trees; But the children of showers and sunny beams,

Have lovelier tales than these. They tell of a se ison when men were not, When earth was by angels trod, And leaves and flowers in every spot Burst forth at the call of God; When spirits singing their hymns at even, Wandered by wood and glade, And the Lord looked down from the highest heaven, And blessed what He had made.

That blessing remaineth upon them still, Though often the storm-choul lowers, And frequent tempests may soil and chill The gayest of earth's fair flowers. When Sin and Death, with their sister Grief, Made a home in the hearts of men, The blessing of God on each tender leaf, Preserved their beauty then.

The hily is lovely as when it slept On the waters of Eden's lake; The woodbine breathes sweetly as when it crept In Eden from brake to brake; They were left as a proof of the loveliness Of Adam and Eve's first home: They are here as types of the joys that bless The just in the world to come.

For the New England Farmer.

EXPERIMENTAL FARMS.

sides that practical experiments are the only sure mon, that thousands who may read it here, guides to knowledge in agriculture. Who are so competent to direct these experiments as those chosen by the people to manage these societies? Suppose a farm to be under their care; their first effort would be to determine what crops could be grown thereon to best advantage. Will it be said that no farm can be managed, under such guidance, so as to sustain itself and make both colds meet? We will not for a moment indulge this idea. We do not believe the general such that the grown thereon to best advantage. We have focked into the city in search of employment. In many cases they are totally destinated to take refuge in the different Station-this idea. We do not believe the general tender of the fire a majoritations for the ledgings of the different stations of the station of this idea. We do not believe the associated wis ty-five applications for the lodgings at the differdom of a number of men is so inferior to that of ent Station-houses, many of whom were of this an individual. We know of many farms, under class. . . . A man was found by the sixth Sta-individual direction, that yield a handsome income, quite equal to the best of the stocks in the Railroad Freight Depot, South Boston. He was market.

the funds of societies to be invested in dividend- He had not a cent of money with him, and paying stocks, thereby indirectly sturred the busi-seemed very thankful when supplied with food." ness of farming. The probability is, this clause was inserted in the act by some one who knew no nate enough to secure good situations and great other way of getting money except by loaning wages, instead of lodgings in the Police-stations, upon interest. Now, if farming is worthy to be all their friends and acquaintanees would have pursued as an occupation, then the lands cultibeen informed of the fact without my assistance.

Vated are good and sufficient scenrity for the invated are good and sufficient security for the in-

1 We find the following beautiful poem making the rounds vestment, and there can be no hazard in their inof the newspapers, without any author's name attached to it. vesting the funds of societies—especially when If we knew the name, we would gladly pay it the tribute which the condition of the grant is, that the amount granted shall be doubled by the society receiving the grant. We have not time to pursue the development, but hope it will be taken up and practically illustrated by those interested therein. April 12, 1855. Essex.

For the New England Farmer.

GOING TO THE CITY.

Billy Gray, in Boston, John Jacob Astor, in New York, and Stephen Gerard, in Philadelphia, are but specimens of what poor boys have become in all our large cities,-and what others have done, "Why, with patience, may not 1?"

Such reasoning influences the minds of multitudes of young men. They know, to be sure, that but one of many hundred thousands become thus rich and distinguished; yet each feels that there is a chance—a possibility—that he may be that one; and this is enough to encourage hope, and to keep dissatisfaction with home constantly gnawing at his heart. Now, so far as mere chances are concerned, there are probably several hundred that your lifeless body will be fished out of the docks before you have been in the city a week, to one that you will ever become a Billy Gray. Yet there is a chance! So there is a chance of becoming a Washington, a Buonaparte, a Casar, by collisting and turning soldier; and there is a chance of drawing the highest prize in a lottery by buying a single ticket.

But my object at the present time is simply to ask for the re-publication of a paragraph that I noticed in the Police reports of the Evening Traveller of Monday, last week. Such statements are so common that they are seldom copied by the weekly papers. The news editor of the Messes. Editors:—It strikes me that the notion of "experimental farms, under the super-intended of county societies," advanced by several gentlemen at the closing discussion of the will give it a particularly careful reading, not legislative. Agricultural Societies Legislative Agricultural Society, is worthy of that it is anything rare or wonderful, but bemore distinct development. It is admitted on all cause such statements by our police are so com-

"For some time past, workmen from the countaken to the Police Station, and said he had We think the legislature, when they required walked in from East Randolph in search of work.

If these forty-five individuals had been fortu-

Boston, April 21, 1855.

PHYSICAL MORALITY.

enjoins it; yet the sure tendency of such observ-ances is to bring the entire body to that state where all its parts of blood and bone and muscle. where all its parts of blood and bone and muscle, of sensitive nerve and organic functions, are fitted and weeders.

Dancers in their separate and mutual action to give the frame its highest powers of strength and endurance, and fitness for all the peculiar purposes of existence: and in the mere physical consciousness of this healthful existence, there is a physical happiness. It is not merely the absence of pain and uneasiness, but a positive feeling of buoyaney Hopkins' account of his experiments of removing and uneasiness, but a positive reening of buoyancy and exhibitantion. And just in proportion as those laws are not observed, there is a corresponding loss of their physical rewards, and a gradual sinking into positive suffering and disease. Even as we walk the streets we meet with illustrations are walk the streets we meet with illustrations of the supply of moisture from the ground. You direct him how to thus mutilate his trees without destroying life at once. of each extreme. Here behold a patriarch, whose stock of vigor threeseore and ten years seem "ballast" and to provide it with an unfailing hardly to have impaired. His erect form, his firm hardly to have impaired. His erect form, his firm source of moisture. It is said some trees will step, his elastic limbs, his undimned senses, are send down this root 60 feet or more in search of so many jewels and orders of nobility with which drought! and yet for the purpose of producing nature has honored him for his fidelity to her lateral roots we remove this most important part laws. His fair complexion shows that his blood of the tree, as if Providence did not know how has never been corrupted; his pure breath, that many lateral roots were needed to keep the tree he has never yielded his digestive apparatus for a in health—the poor tree, not having power to vinter's cesspool; his exact language and keen send down another "tap root," sends out numapprehension, that his brain has never been berless lateral ones to seek moisture near the surdrugged or stupified by the poisons of the distil-face, and in a time of drought it is crippled, and ler or tobacconist. Enjoying his powers to the its fruit is imperfect. (a.) highest, he has preserved the power of enjoying them. Dispite the moral of the school-boy's story, ing, &c., are quickened to a most miraculous exhe has eaten his cake and still kept it. As he tent, but what should we think of him who drains the cup of life, there are no lees at the should put out his children's eyes to quicken bottom. His organs will reach the goal of existence their senses? together. Painlessly as a candle burns down in its socket, so will be expire; and a little imagination would convert him into another Enoch, transplanted from earth to a better world without the sting of death.—Mercein's Natural Goodness.

For the New England Farmer.

CULTURE OF STONY GROUND.

any apology for not removing them, must be the The word of God, in specific language or in implied direction, commands a life of temperance in flood and beverage, a strict restraint upon the licentious appetites, regular industry and labor, cleanliness of person and apparel, and observance of frequent days of rest. The general moral sense of mankind has given to most of these rules an independent sanction. Now, although the result of such physical morality is not the sole object of its injunction in Scripture, nor are all the consequences clearly foreseen, where the unaided moral sense enjoins it; yet the sure tendency of such observances is to bring the entire body to that state. The word of God, in specific language or in im- prompting of a spirit of laziness. To attempt to AN OLD ONE.

Danvers, April 10, 1855.

For the New England Farmer.

THE TAP ROOT.

Mr. Editor:—I notice in your last No., Mr.

By the loss of sight, the senses of hearing, feel-

Don't let those interested in the sale of trees deceive us in this vital matter.

Our children will wonder at our stapidity, while chopping down our prematurely old or-chards, and in their places raise trees as Providence made them "tap roots" and all. Yours,

April 5, 1855.

Connecticut.

Mr. Editor:—On looking into your paper, Remarks.—(a.) It may be that a tree set just come to hand, I find a correspondent inquir- with all its original roots would flourish better ing in what manner "stony ground" can be most than one deprived of a portion of them; yet, we advantageously tilled. My answer would be, do not feel certain that such would be the case. first remove all the loose surplus stones within one foot of the surface, and then proceed in the cultivation as though they had never been there. correspondent would make in taking up and Will it be said, that it will be too much labor to transplanting a hundred apple trees which had do this! And, if the surface stones are once been growing three or four years in the seed bed taken away, others will soon work up to take where they were planted! Not only the shades of their places! Such has not been my experience, might, but the chills of Autumn, we think, would covered with a superabundance of such stones, as overtake him before the work could be accomany other fields; and I cannot but think, that plished. Nature is generally a correct and clever

dent imaginations are found to congregate.

all? why not plant it in the orchard, as nature presents it? why bud, or graft, or prune, and come altogether too presumptuous! He ought to be contented to eat crab apples and choke pears, and be thankful for them, instead of "seeking out many inventions" to turn the course of nature to his will. We have been taught, that to prune the roots of a tree is sometimes as beneficial as to prune the top: it is not so often done, because it is more inconvenient.

Our orchards are all artificial; the young seedling is lifted from its seed-bed, a portion of the has always been a most welcome guest in our tap root taken off, and then set in favorable positions where numerous lateral roots find free range and rich feeding grounds, and a rapid growth is tal or forest trees in their neighborhood. And generous dame, but those good qualities do not entitle her to run altogether riot in her own ways; in a great many things she must be held original stock send up sap to be elaborated by leaves of our own choice, or perfect fruit of a different species from itself. We thank our Connecticut friend for his text, and hope the inferences drawn from it will be agreeable to him.

For the New England Farmer.

PLOWS.

any other plow. Have never seen it in old perennials and annuals, cultivated in our garground. I consider it the only plow for sward dens. land. Pulverization is all that is wanted or expected of the plow. It is the most important im- of my garden has amply repaid me for all the laplement in husbandry. Farming begins and ends bor bestowed upon it. Indeed the labor has been with it. A poor old plow, poor plowing, and but a pleasure. My husband sometimes tells me hence poor crops. Too much of this kind of about encroaching upon his grounds, but I find farming.

A handsome slice furrow, by the common plow,

I know many object to a fi

old codger, we admit, but to deny that we have prepares the sward ground for immediate cultimade considerable improvement upon her ways vation, and so breaks the furrow as to make it in several things, would entitle a man to the octuber of the property of the property of the property is the furrows, and as pulrerization is the capation of one of those pleasant little rooms in only object, why will it not work well on old our asylums, where men and women of very ar-ground? Old plows, like the "diseased furniture" in the play of the Poodles, are abundant Why do we meddle with the young seedling at on every good farm. Good farmers keep up with the probability why not plant it in the orchard as nature the improvements; hence, the old plows accumulate, and have a certain value for firewood and presents it? why bud, or graft, or prune, and old iron. I would say to your friend, there is thus prevent the ways of nature? Man has be-nothing better than "eagle" and "double eagle." Yours truly,

Brooklyn, L. I., April 6, 1855.

For the New England Farmer.

THE FLOWER GARDEN.

The following article I send to you, thinking it may induce others to do as I have done, and in so doing they will receive their reward. We have long taken the New England Farmer and it house.

In the autumn of 18— I met with a very severe domestic affliction. A long, dreary winter passed, spring came, and knowing as I well did induced. Under this treatment the tree may be that occupation affords relief to one in affliction, easily-and safely-taken up and re-set, and such I resolved to spend my leisure moments in attrees have not been more liable to suffer from tempting to cultivate a few flowers. I applied to drought, or to be blown over, than the ornamen-my husband, who offered me a nice, rich and highly cultivated little spot in our excellent vege-table garden. I took a few bottles of maple syso the peach, the plum, apricot, cherry, and rup and an old farm horse, and drove to the house nearly all other fruits, are improved by some sort of an elderly couple about two miles distant, of cultivation. Madame Nature is a comely and who, I had previously observed, cultivated flowers. I told the gentleman I was desirous of getting some plants to place in my own garden; the old man was evidently pleased to see me manifesting a taste for flowers, and gave me as he could in leading strings; sometimes we must touch a spare. I think he only had a few varieties of tap root, at others a topmost branch, make an pinks, some of the common roses, and a flowering almond, which was his treasure; he succeeded in getting a little root for me. Leaving the syrup with him, as he refused money, I returned home delighted with my prizes. Everything I placed in my little bed grew and throve finely. The cultivation of that little spot was to me a source of real comfort. In the autumn following, a lady sent me four tulip bulbs. I felt rich. I will just say my garden operations commenced between twelve and fifteen years ago. I had over two thousand tulips in blossom last summer, and with Mr. Editor:—Your correspondent, "A Tiller safety can say I have given away over a bushel of of Hard and Stony Soil," asks a question in tulip bulbs. I have now twenty-seven varieties, regard to "plows," which practice can only besides all the bulbous roots that can be cultivated in our Northern clime. I have over twenty that I have seen the "Michigan" plow work in varieties of roses, comprising many choice ones, sward stony land. It kept its place as well as and an almost endless variety of the flowers, both

The pleasure I have derived from the tending

I know many object to a flower-garden, or even will do for agricultural shows and premiums as to a border of flowers, on the ground of too much exhibitions of skill; but the 'double eagle plow'' labor and expense. I will now state as nearly as possible, the amount of time and money expended

upon my garden.

I never bought but two plants for it, namely, a trumpet honeysuckle, and a pink moss-rose, ob- any rate, whatever most of us think of now, was taining my shrubs and plants, by exchanging my thought of and beautifully expressed by him beown for those I had not, many being given to me fore. He says, "There is a tide in the affairs at the outset; but I have had abundant opportunity to repay all such favors.

Now for the labor bestowed thereon. We have many shade trees about our house. I suffer the mer, we know not when it will be. leaves that fall in autumn, to remain on the ground through the winter, as they afford some corn \$1,20; oats 75 to 80 cents: butter from protection to the roots. I have a man rake them 25 to 50 cents a pound; beef steaks 20 cents a off carefully in the spring-it can be done in a few hours. My borders, containing bulbous roots, require no care in the spring, as I prepare them to 15 cents; hay \$25,00; straw \$16,00 a ton, with my garden-rake in the autumn with my and potatoes \$1,25 a bushel. own hands. I then take two-thirds of the care Now is the time for farmer of my borders through the summer, having the help of a man, perhaps an hour in a day while the weeds are growing rapidly; after that time I all sorts of crops, as they can manure and tend usually do all myself, and to me it is a most well-no more, not a rod, if so, there will be a pleasant pastime. I am a farmer's wife, and not loss instead of a gain. Plow deep, manure without an abundance of in-door employment, highly, stir the surface often and tend well in but my garden is my relaxation from labor; money would not tempt me to part with it. From Money and labor are neither of them at prethe earliest crocuses and snow-drops to the latest is a very great advantage to children, too, giving of both as you can consistently, and with Heavthem a taste in early life for the beautiful in na-No one can deny that our hearts are made better by communion with the works of God.

I will add, that since I commenced gardening there has sprung up about our dwelling, trees the farm. bearing most delicious plums, cherries and pears; vines laden with the juley grape, strawberries and us use it while it lasts! raspberries, too, have each their proper place in some favorable spot. I would not willingly exchange my home for what it was before we cultivated fruits and flowers, and I believe any person that owns even a small amount of land, without being the poorer for it, can afford a little spot for ornamental gardening.

North Hartland, Vt., April 6, 1855.

every sheet as should please and instruct women and young persons, as well as matter for the grave deliberation of the farmer himself. The effort has been crowned with success, as the letter from a lady and others which have been pub- covered with wax. lished, and numerous ones not intended for publication, will show. The whole subject of cultivat- the outside centering inward like the spokes to ing the soil is one of an intensely interesting a wheel.-Ed.) character. It has a most attractive and instructenough to heal the outside as soon as may be, tive literature, embracing the poetic as well as and you can then cut out what you don't need. didactic, allowing full scope for the imagination, and embraces something of nearly all the arts and sciences in its widest range. The commendation one thing we have learned by experience in graftfrom women and young persons which we con- ing old trees, whether you graft at the ends of stantly receive are among the surest tokens that limbs six or eight feet from the body, or cut off to our journal is appreciated and is useful.

sand dozen of hens' eggs for domestic consumption.

A HINT FROM SHAKSPEARE.

Old Father Shakspeare knew every thing—at of men, which, taken at the flood, leads on to fortune." If it is not flood tide now with the far-

Wheat is bringing \$3 per bushel; rye \$1,50; pound, and in proportion in quantity; lard 10

Now is the time for farmers to take this tide at the flood by getting in just as large a breadth of

Money and labor are neither of them, at preautumnal flower, it is one continual pleasure. It sent, very high. Command, then, just as much en's blessing on your crops, you may reap a golden harvest to pay off mortgages, erect new buildings, or engage in other improvements on

This tide does not flow for us every year; let

GRAFTING LARGE LIMBS.

We prefer, in grafting old orchards, to graft the young branches, or suckers, as some call them, which spring out of the limb. Wm. Cone, of Troy, Michigan, in a communication to the Michigan Farmer, on the subject of grafting and orcharding, recommends grafting the large limbs. REMARKS.—In conducting the Farmer, it has been a leading object to present such articles in every sheet as should please and instruct women.

He says, "when grafting old trees, cut the limbs very close to the body, say from four to six inchese. Get your top down, you will soon see the benefit of it, You can never get a fine top from grafts set six or eight feet from the bodies. If you have to cut six inches through there, there is no danger if you set scions enough and keep it

> In setting into large stocks, don't split your limbs square across, (but make several splits on Be eareful to set in scions

We have never seen Mr. Cone's method adopted among us, but presume where the tree is vigorous and thrifty it would work well. There is within six or eight inches of the body, you must look out to have leaves enough either on the grafts or suckers during the summer to elaborate 😭 A firm of produce dealers in New York have sap wood enough to cover or sheath that limb imported from France within a day or two, one thou- over by the second year at least. We have seen Igrafts put into the extremity of an old limb, say

four or five feet from the body. abundance of sap to it. It's leaves elaborate this forced into the scions. Instead of this, congessap into new sap wood and send it down to form tion of the sap took place, and fermentation and a new layer or sheath for the limb, through death was the result. which the next year's sap may come up, but In regard to the time of pruning I have done does not form enough of it. The graft starts most of it in the months of February and March, again next spring perhaps vigorously, for the old when I could walk in among the trees on the sap wood still conveys sap to it, but by fall it snow-drifts, which are usually high enough here begins to falter, and during the next season it for that purpose. The waxing I have put off till dies. This has been the case with some old limbs the latter part of April or May. I prefer to trim in our own orchard, that had been grafted and on the northern side of the tree first, and leave so managed, and on cutting off the limbs and the southern branches for a shade as long as posstripping the bark off, we found that the suc-sible. There is nothing so tempting as a desire to cessive layers of new sap wood, (alburnum,) did trim out a tree when first grafted. not cover or sheath over the limb, and hence, probably, the death of the whole.

For the New England Farmer,

PRUNING AND GRAFTING FRUIT TREES.

after some pretty severe experience, to state, that two of my trees healing up which were split is done, as how it is done.

for the season, if they be pruned in the month of and wounds in the spring, that have not healed June, no one who who has had any experience, up, and occasionally visit the scions of the preswill deny. I am not speaking particularly of ent year, and press up the wax to the wound the apple tree. Aside from this, I can perceive where it cracks open. If shoots spring up near no marked difference in the effects, provided they a large wound, do not be in a hurry about cut-be subsequently treated as they should. The man ting them off. If they be in the way of the seiwho will go into an orchard with his axe and ons, head them in. I am not sure, but am insaw, and use them freely without any further clined to think, that the borer will die if his hole care will dearly pay the penalty.

never been grafted and had been much neglected, a common shoe-knife ground out in the middle is for want of pruning, or had been barbarously best. Do not throw away a tree because it is mangled with an axe, or badly injured by the hollow-hearted. Put in the Baldwin, and it may borer. A few trees had been grafted two years live and be productive as long as you may need previous, but had received no subsequent atten- it. If a scion barely lives the first year, better tion. Under these unpromising circumstances, I regraft. commenced grafting and pruning, and think I can sum up my experience and opinion in a few trees which I did not consider worth grafting, words, and with some degree of confidence.

of hog's lard or linseed oil than of tallow, as the worm in the apples. latter is more apt to crack and peel off. I use it softer than most grafters. If a tree is inclined to decay, graft in some vigorous wood, such as the Baldwin. Do not graft the Roxbury Russet and Rhode Island Greening into very tall trees. In an old tree, if a large limb be unsuitable for grafting, let a shoot spring up perpendicularly and wait a few years, till it be ready to graft.

Prune as little as possible the first year of graft
"dead winter" when "N. T. T." trims his trees. ing; very sparingly the second, and then in such We think it would be much better done in Octoa way as to have the limbs shaded as much as ber.

All the suckers possible. It is difficult to make seions live when were then earefully cut off, and kept off through the limb has been exposed to the searching rays the season. The graft grows well during the of the sun. I lost three trees by employing a first summer, for the layer of sap wood, (albur-man to graft, who cut off all the branches, under num,) made the season previous, conveys an the mistaken impression that the sap would be

In cutting off large branches, which sometimes is necessary, be careful to have the lower side, at least, cut close to the tree as possible. It will heal all the better and quicker. Have a plenty of grafting wax made quite soft and always on hand, and when the weather is warm, be sure and cover every wound on the tree, however small it may be. Here is where many an orchard is Mr. Editor:—As there is the widest diversity rained by allowing the sap to flow down the bark of opinion on the subject of pruning, I beg leave, and kill the tree. It would do you good to see I do not think it of so much consequence when it down several years ago. Λ very little attention done, as how it is done.

That the growth of young trees will be cheeked ry on this point. Wax over all the old grafts be stopped up with grafting-wax. I shoulder all I purchased an old orchard seven years ago, of my seions in cleft grafting, knowing that they fit seventy trees of pretty large size, but which had to the stock much better. For a splitting knife,

As the result of my experience, many of my are now provided with handsome tops, and begin-I found that I could graft with best success in ning to bear abundantly, and the whole orchard March, and the early part of April, provided I will not suffer in comparison with ony one in this could find a day sufficiently warm to cause the vicinity. I bury up around them waste ley, bones, wax to adhere to the wood, which will not take place, if it is cold or wet. Special pains should manure, taking care to keep the ground mallow, he taken to press the wax close up to the wood and free from grass and weeds around the trunk. and around the scion; wax is much better made It is now rare to find a borer in the trees, or a

> One word about the black knot in plum trees. I have never seen it in this vicinity. How is it in the mountainous regions of Vermont and New Hampshire! N. T. T.

Bethel, Me., April 20, 1855.

WOOD LAND.

two fires since the first of November in two large rooms, and have not yet burnt three cords of wood, and we can assure you that we like a good labor has been done at times when our teams configurable for the correction of the latter dressing has been labor has been done at times when our teams configurable for the correction of the latter dressing has been wood, and we can assure you that we like a good labor has been done at times when our teams comfortable fire. The farmer should commence on one side of his lot, and cut the wood clean as he goes. In this manner the young shoots come up alike as they require the goes. up alike as they receive the sun alike. Now say there are thirty cords of wood to an acre, if he cuts ten cords of wood a year, it will take him three years to cut off the wood of a single acreand it will take him forty-five years to cut the wood off from his lot of fifteen acres. At the end of forty-five years, he may go back to the first acre he cut, and cut thirty cords to the acre. On our ordinary up land, wood will grow to thirty cords to the acre in thirty years.

Thirty-four years since, we recollect of assisting in clearing fourteen acres of wood-land, and growth was white oak, red oak, yellow oak, chest-same, in 1865 with 30 loads, half manure and nut and maple. Seven years since that same rye half muck, no dressing the intervening years. field was cut over, and there was not a single acre of it but produced thirty cords to the acre!

And this in twenty-seven years!

ANSWER TO QUERY LAST WEEK.

Prof. Nash, editor of "The Farmer," published at Amherst, will please accept our thanks for his kind and prompt reply to questions propounded to him in our last paper. His opinions are much as we expected to find them, and are fully restored. worthy of careful consideration.

Amherst, April 25, 1855.

Editor N. E. Farmer:—Dear Sir,—I have been EDITOR N. E. FARMER:—Dear Sir,—I have been compelled to a hasty, and, to myself, unsatisfactory and the latest tory answer to your question; and, as I shall not to the action of salt on the animal economy, that issue another number under a month, I have no wit is exceedingly beneficial in mcderate quantiobjection to your publishing, if you choose, the following, as an illustration of an idea, (perhaps it is but an idea,) which I entertain;—that land a half to two ounces of salt, daily; but that is long benefited by the addition of heavy composts, while it must soon feel the exhausting efitated, and unfit for exertion. Similar facts were J. A. Nash. Yours truly,

clover, 1859 to clover again, and 1860 to corn.

One acre has been dressed each year with 300 salt for animals.

pounds of Peruvian guano, costing on the ground Fifteen acres of wood and timber land will \$9,00. The other has been dressed with four loads furnish a farmer his ordinary timber and wood for two fires. Ten cords of wood will saffice for any man to keep two fires the year round provided he has tight rooms and good stoves. We have kept two fires since the first of November in two largest two largest of the latter decaying heads.

1856. Corn and straw, worth		\$40
1857. Oats and straw		
1858. Clover, hay and feed		
1859. " " "		
1860. Corn and straw	30	60
	\$165	\$205
	JAMES &	Jameson.

Jamesville, Oct. 20, 1860.

ANOTHER REPORT.

Since 1860 we have cultivated the same acres getting the same into winter rye. After the crop mentioned in our report of that year, dressing of winter rye was taken, it was pastured for a each acre, in 1861, with ten loads of barn mayear or two, and then suffered to grow up. The nure composted with ten of muck, in 1862 the

1862. Oats and stra 1863. Clover hay at 1864.	ver, worth	40
	ver	260 205 465

Difference \$100, and the guanoed land not yet JAMES & JAMESON. Jamesville, Oct. 20, 1865.

SALT FOR ANIMALS.

posts, while it must soon feel the exhausting elfect of crops grown by homoeopathic doses of any thing. Three hundred pounds to an acre is less than three ounces to a ton of soil. If you take off crop after crop, and put on only three ounces to the ton of soil, where will be the soluble silicar, the potash, the soda, the lime, the magnesia, the chlorine? all of which are removed in the crops; all are essential to the growth of plants; and next to none are returned in three ounces of manure.

Yours truly.

J. A. Nash. known as a vermifuge, destroying many kinds of worms in the intestines of animals, and conferring A REPORT.

a healthy tone of action which prevented their
The past five years, we have cultivated two adre-occurrence. Several members of the R. A. jacent acres, similar in quality, an ordinary loam, Society, as Col. Challoner and Mr. Fisher Hobbs, as follows:—1856 to corn, 1857 to oats, 1858 to stated that their experience led them to agree with Professor Simonds in regard to the value of

In reference to the mode of giving it, the prac-best fertilizer known. tice of placing large lumps of rock salt in fields and will bring every crop we cultivate. Other, stock, was mentioned with approbation. This practice is now adopted by many farmers in this cannot obtain enough of the former. Phosphate country, and, after several years trial, is pre- of lime and super-phosphate of lime, are bones cally. When animals are only allowed to have birds, and perhaps the bodies of seals, sea lions, salt once or twice a week, it is sometimes the &c.; poudrette is manufactured from the waste ease that they eat too much at once; but, by matters of cities, having it constantly in their reach, they eat in such quantities as their systems require, and it assists digestion and promotes health and thrift.— yard, will be excellent. Albany Cultivator.

For the New England Farmer.

FERTILIZERS AND FLOWERS.

Dear Mr. Farmer:—You talk about a great many things; some are good things and some very precly things, and no doubt some very useful things. But some of us know nothings, away up here in Vermont, don't know much about them, especially by experience. Now we should table kingdom, is infinitely more variable than much better than those within our reach. (a.)

for a good orchard, and where would you set of union between the leaflets and their stalls. them; on the hill where they would be most exone, it you could have your choice. (c.) Now for the protty rose bushes and charming flowers you tell of, how I should like some of them, if I says able. Can you not send me two varieties of the climbing rose and a few choice flower seeds for a two dollar bill and warrant them to live and grow well! We have hard wintershere, five months good sleighing, and Jack Frost pinches hard, early and late. I know you are a good-natured sort of a man, you publish so many famour greater part shut the petals at night, the stalks straight rules.

Very respectfully, Mrs. S. P. South Derry, Vt., April 19, 1855.

Remarks.—(a.) Another letter from a lady.

It is applicable to, or yards, where it was always accessible to the and concentrated fertilizers, are used, because we ferred to the former mode of giving salt periodi- dissolved by an acid; guano is the exerements of

- (b.) Old hay or straw, saturated in the barn-
- (c.) Baldwin, Hunt and Roxbury Russet, Hubbardston and Northern Spy; on the plain, with deep plowing, constant cultivation and moderate manuring—but manure the crop well that you take off.

THE SLEEP OF PLANTS.

The way in which sleep is shown in the vegelike to be enlightened, and presume you can do among animals. Man throws himself prostrate; it. In the first plan, then, about the fertilizers, some kinds of monkeys lie on their sides; the —you have a great many large sounding names that wont enrich anybody's farm, such as pounding the superphosphate, muriate, &c., but we don't eare for the name if we can understand the thing. We wish to know what the superphosphate which the superphosphate in plants there is no end to the curious and beautiful diversity which was and beautiful diversity which was and beautiful diversity which was a superphosphate. thing. We wish to know what the difference tiful diversity which rewards the seeker in nais between those big names and real stone lime ture's mysteries. Some plants droop their leaves slaked and pulverized. Whether those "dear at night, the flat part becoming flacid and perbught and far fetched" fertilizers are really so dulous. Others, of the kind called "compound," as clover and vetches, close their leaflets together For planting potatoes on green sward of a sandy loan, what is the best manure and what the same time. The three leaflets of clovers quantity to the acre where sorrel will grow in abundance without any. (b.) What kind of trees little triangular pyamid, whose apex is the point of union between the leaflets and the point of union between the leaflets are leaflets of the point of union between the leaflets of the point of t posed to the bleak winds, or on a level spot where fingered hand without a palm, fold together they would be as much out of the wind as possible if you would be as much out of the wind as possible if you would be as much out of the wind as possible if you would be as much out of the wind as possible in your world be as well as the world be as much out of the wind as possible in your world be as well as the ble, if you could have your choice. (c.) Now raises its leaves so as to embrace the stem; and tured sort of a man, you publish so many funny greater part shut the petals at night, the stalks things. But I like this off-hand, easy, natural declining one side; but there are some which way of doing business, much better than the roll their petals back, and curl them up like miniature volutes. The sleep of such plants is probably unaccompanied by any external change. The same may be said of Campanalas, and other bell-shaped flowers of Cruciferie, it should have been observed, are remarkably careless of repose. Their sleep never appears sound or even constant, Really, we are highly honored, and as the sub- for many successive nights, they seem restless, ject is a deligatful one to handle, we go to work and in the morning always look dozy and unwith a decided relish. Now for the fertilizers, comfortable. When flowers are overblown, or "Are they, really, so much better than those the plant if an annual is near its decay, the phewithin our reach?" No, madam, not a whit, nomena of sleep are very considerably diminished. —not so good as those within your reach, if you the growing powers of the plant are in full energed enough of them. Good barn manure gy. Decidnous trees—that is, such as cast their leaves in autumn—are in a sort of trance in the with other matter incident to the form is the sound of the sort of trance in the with other matter incident to the farm, is the winter months. Flowers, too, lose their sensibilities altogether, when the period of fertiliza-point. If so, will you confer a favor on many of tion is passed, as may readily be seen by inspect- your readers by noticing it in your paper. ing a field of daisies early in the morning, before Gilford, N. H., 1855. W. B. Weeks. the dew is off the grass. The overblown one will be found wide open; those in the younger stages all crimson tipped and sound asleep.

EXTRACTS AND REPLIES.

ABOUT LOW LANDS.

I have a few questions to ask, and hope in doing so the readers of your paper and others may have the benefit of the replies.

carse land? (a.)

getting two crops on such land instead of only one? (h.)
3. Would not the English method of treach

plowing, instead of our practice, assist us more than any other method? (c.)

soils or carse lands, will increase their product the soil light. Under this treatment the trees tive powers, do not we suffer much in experimenting with manure? (d.)

NORFOLK COUNTY SUBSCRIBER.

April 19, 1855.

Remarks.—(a.) The word "earse" above is Scottish, and means low, wet land. This description of land in New England has not been considered as of much value until within some twenty years. A few persons had experimented upon it. and became convinced of its great productive capacity, as many as fifty years ago; but the publie mind was incredulous, and is still so to a surprising degree, after having seen what some of our most repulsive bogs have done.

- (b.) Two crops of grass are quite often taken from our reclaimed meadows, and where they are assisted by annual top-dressings, they will yield from two to three tons a year for many years in succession.
- (c.) Trench plowing in England is much like what we term subsoil plowing here. Their plows are called "trench plows," and as is the ease with ours, are of various sizes and construction.
- make less manure necessary.

PEELING HEMLOCKS

In December last we had a heavy wind with snow which did much damage in the wood-lots in down which I thought I should let alone till peeling had 39½ bushels. time. Some among us say that in order for them to peel well or at all, they must be trimmed and the 28th day of May, and had 234 bushels. cut from the root, before the sap starts in the of your correspondents had any experience on this cleaned it, and measured 64½ bushels.

APPLE TREES-SWAMP MEADOWS.

Mr. Brown:—I wish to inquire what is the best time for scraping and washing apple trees, and what is the best wash? (a.)

I have quite a large number of trees of good quality, but they do not bear very well. If I trim this spring, what is the best time for that ! (b.)

I have a swamp that has been drained pretty well, but still is rather soft to plow; it has a 1. Do we of New England fully appreciate our great quantity of hardhack; I want to know how to get rid of them, and the cheapest and best 2. Is it probable we suffer much loss by not way. (c.) Yours truly, from a subscriber,

Monson, March, 1855.

Remarks.—(a.) Scrape and wash old apple trees whenever it is convenient. Dig for some eight or ten feet about them, manure liberally, 4. If trench plowing on our naturally good and work it under. Keep the weeds down, and will soon yield their fruit.

> (b.) Do not prune in March, April or May, but omit it until the last of June, or October. Quite small shoots or suckers may be taken off at any time.

> (c.) Drain the swamp still more—then plow or bog, and get in a crop of potatoes; manure well, and lay to grass after the potatoes, and you will have no cause to complain of the results.

THE WHITE BLACKBERRY.

Can you inform me where I can obtain the white blackberry; and also the retail price.

Weston, April, 1855. G. G. Cheney.

Remarks.—Of J. S. Needman, the originator, Danyers, Mass. Don't know the price. See Vol. 4, monthly Farmer, page 418, for an illustration.

ANOTHER CORN PLANTER.

Mr. Editor:—Permit me to describe the Corn Planter's Cane, made by a farmer in this vicinity the past week. It weighs four pounds; the cornholder is at the upper end, and holds two quarts. It is, undoubtedly, a great deficiency in our mode It is worked by a motion of the thumb on the top of farming that we do not plow deep enough, or of a lever which opens a trench half an inch wide, make the soil, after it is plowed, sufficiently fine. which the same motion drops four or five kernels, (d.) A greater depth of fine, porous soil than that can be heard falling in a tin tube, and seen we usually find in our fields, would certainly before the soil falls to cover; a piece of corn or other obstruction can at once be detected in the seed gauge. Cost near \$2,50. Grafton, April 23, 1855.

N. S.

SUMMER WHEAT.

this section, especially among the pines and hem-locks. I have quite a large number of hemlocks two bushels of wheat on two acres of land, and

In 1853, I sowed 144 rods of land with wheat,

In 1854, I sowed 4 bushels of wheat the first spring. Now if this be true, it seems worth while week in June, and harvested the last week in for it to be known generally. Have you or any August; hired it threshed with the machine, and

tity of clay; it had been planted the year previ- water sprinkled over it; then another layer and ous with corn in each season, and manured with more water thrown on, and so on until the pile was green barn-yard mantare. Wheat, the Black Sea completed, in a conical form, and a pailful of kind. LEWIS HALL.

Dover, Yt., April, 1855.

CURRANTS.

you would refer me to some nursery where I can obtain a supply, and if you can, something of the

Willimantic, Ct., 1855.

Remarks.—Among the red currents, the large red Dutch are very fine; the cherry currant grows large and beautiful, but it is intolerably from such high authority as the lamented Downacid. The New White Dutch is a superior varie-ing and Cole, with a host of others we might ty-not so acid as the red Dutch, and quite name. But as the best writers disagree in some large. They may be found at most nurseries.

POUDRETTE.

with guano and ashes, plaster and superphosphate, in place of other manures?

soil, sewerage and of all of the cities, and a genu- That there is a right and a wrong time to do this, ine article is a first-rate fertilizer. Its use would all will admit; and although one may succeed not preclude that of either of the other articles he is unable to calculate his loss by the deviation. you have mentioned.

For the New England Farmer.

EXPERIMENT WITH HEN MANURE.

Mr. Editor: - An objection made against the use of guano is that it "burns the corn" and prevents its coming up. Perhaps the following facts in relation to a kindred manure, may throw some light upon the action of guano, and suggest the cause and the preventive of the injurious effects complained of.

manure was placed in the hill, in pretty liberal the requisites for wood and fruit? The only reaearth, on which corn was planted in the usual ment is because the wound will commence healmoisture.

mischief. The manure had absorbed so much of wind, until near spring, when a coating of gumthe moisture from the superincumbent earth, shelac dissolved in alcohol, applied with a brush, effect the germination of the seed.

The land was a moist loam, with a small quan- layer of the manure was laid upon the floor and water applied. Next day on examining the pile, the manure still appeared dry. The process was repeated again and again, until the manure appeared to be sufficiently moistened. The quantity of water was much greater than I had supfor me to set, not so much for profit as for kitchand to set, not so much for profit as for kitchand to set, not so much for profit as for kitchand the preceding year. The corn came up well,

For the New England Farmer.

PRUNING.

Mr. Editor:-It is not without some feeling of delicacy that I enter upon the subject above mentioned, when we have before us the opinions minor, if not some important points, and as my experience for the last twenty years has been considerable in the cultivation of almost every variety of northern fruits, I venture on the premises, Mr. Editor: -Can you tell me anything about with no desire to refute any man's theory, but to pondrette? I have very little manure, and some lay before the reader a few plain, practical hints land to put it on. Will the pondrette answer, and facts drawn from my own experience and observation. Perhaps there is no department in horticulture in which there is manifested so great Remarks.—Poudrette is composed of the night a diversity of opinion as in the time for pruning. tolerably well in pruning at an improper time, Before a man commences to prune, he should consider well for what purpose, or what end is to be answered by the process. If a young apple orchard is to be pruned, the objects should be to take off such limbs as cross others, form a proper head, and add to the vigor of the remaining

Now at what time is this to be done? Is it a short time before or after the sap begins to flow in the spring, with the certainty that it will ooze out at every wound, until past midsumm and cause vermin, filth and rot? Is it at midsu - or, Some years since, I manured several rows of when every leaf is a laboratory filled with tacorn with the droppings of the hen-roost. The proper material, and every moment supplying quantities, and covered two inches deep with son given for the waste of so much vital nourishmanner. A considerable portion of the com ing quickly; but I would ask, is this of much failed to come up. The surface of the hill appeared dry and of a much lighter color than the exclude the possibility of rotting or leaking? Bore soil, and the seed had undergone no Does it not look more in accordance with natural than the seed had undergone no look more in accordance with natural than the seed had undergone no sensible change, appearing as dry and hard as when shelled from the ear. Continuing the examination, the manure was found to be much to nourish the roots, leaving the top in a perfect-augmented in bulk and completely saturated with projecting the branches. Leaving the work of projecting the projecting the projection of the projection pruning the branches, leaving the wound to the This then I supposed to be the cause of the drying and hardening influences of the sun and that the moisture remaining was insufficient to will prevent all bad consequences, and the heal-effect the germination of the seed. Next year, profiting by experience, I saturated without interruption, until the wound is nunthe manure with water before it was used. A bered among the things that were.

E. C. Holmes. East Bridgewater.

LABOR AND LUXURY.

ducts. We have already adverted to it, in former creased by this devotion of time to education. dinary state of affairs, such as the diversion of la- of improved implements in husbandry, and the bor from the farm, by the raising of armies en-like, the annual surplus still remains. gaged in the war in Europe, and the emigration But now, we will suppose that some of our soto California and Australia. But beyond such ciety with their families leave their happy valley, causes, and deeper in the constitution of society and visit foreign cities, and imbibe a taste for disitself, may be found another and more important, play and luxury, and undertake to copy, at because more permanent agent in bringing about | home, the style of living they have seen abroad. this startling condition of things; for we may One procures a carriage and horses, and persuades well so denominate a crisis like the present, where one of his neighbors to take care of his stable, the necessaries of lite have in a few months in- and drive him and his family round the country creased two-fold in their prices, and that, too, in for pleasure, while another builds an elegant a country where millions of acres of fertile land house and devotes his whole time to ornamenting are offered for sale, at one dollar and a quarter his grounds, and induces a couple of his neigh-

plied to the soil, is in some way wasted, or be-part of the young people of the society to turn stowed in a wrong direction, for we all know actors, and the whole community to give a porthat the well directed labor of a small part of our tion of their time to witnessing their performanpopulation, upon the land, would produce a large ces. surplus of all the common articles of food.

wives and children, devote all their labor to the bell rings, and the like. most judicious production of cattle, grain and the other common products which directly or indi-|gently on the land as formerly, but it is a disly support life. It is evident that at the end of couraging task for them, while others are so gay a few years, this little society would be burdened and thoughtless, and apparently so happy, with with a surplus of such provisions, useless, so far their servants and horses, and fine houses, and as their own consumption is concerned. Again, stylish clothes, and it is hard to keep their hearts suppose that, finding they required less than the in their business, and they begin to pine for whole of their crops and animals, for their own change in their mode of life. Still, as educated labor is more productive than general feeling of contempt for their own calling,

uneducated labor, -as the civilized white produ-No question at present more interests thinking |ces more ten-fold, by his own labor, than did the men among us, than that of the high prices of savage Indian, on the same soil-the actual proprovisions, and especially, of our own farm pro- duct of the labor of the whole society may be inarticles, and suggested some of the causes which |So, if one or more members of the association give may have tended to produce the present extraor-their whole time to the invention and construction

bors to assist him in his schemes, while a third It is plain that the labor which should be ap- establishes a small theatre or opera, and entices a

The young ladies, we may suppose, having now An extraogent style of living, a taste for what some idea of fashion and dress, instead of taking part are properly called luxuries, and a withdrawal of in the labors incident to farm life, such as maklabor, which belongs to the soil, to produce these ing the butter and cheese, and taking care of the fuxuries—these may, we think, be regarded as house, devote all their time at home to working prominent among the causes of what may be cellars and undersleeves and embroidering their termed the permanent and gradual increase of skirts. Beside all this, each of our ten families, prices. Let us give a simple illustration of which formerly supported itself, and had a large the working of these principles in society, and of surplus, sends abroad and imports two or three our meaning in the foregoing remarks. Suppose servants, no matter of what color or nation, ten men, with their families, should establish whose business it is not to work on the land, but themselves upon adjoining farms, on good soil, to assist them to dress, to cook for them, and apart from the rest of the world, and with their wait at their tables, to run to the door when the

A few of the society are still seen at work dili-

support, they exchange with other societies a Now look at our little community, and see an part of their surplus, for better clothing and fur-lillustration of our leading idea. At the end of niture and implements than they had before the year it appears that there are several families used; so far as better elothing and furniture and who have raised no crops. There is abundance of implements give them increased power to produce good land lying idle close by. The few who have the necessaries of life, they would not lessen the labored on in the old way, have enough for themannual surplus of their farms. They begin to selves, and but little more. Instead of looking give more attention to education, and the time of forward and providing a large surplus, when the children, and of some of the female adults, is they saw the rest of the society wasting their time taken from manual labor to be spent in a school, and substance, they have sympathized with the

and have planted and reaped but little. But all must eat, and prices go up higher and still high- THOUGHTS UPON SOIL ANALYSIS AND er, and every body inquires why is it so, and looks abroad over the whole earth for an answer.

be carried more into detail, but it seem to us so certain elements, known to chemists, which eleplain, that a wayfaring man, though almost a ments were created "in the beginning" and have fool, may read it. The remedy is two-fold, and continued to exist, in various forms, to the preswill be eventually wrought out. The more sim- ent time. ple style of life which our republican institutions' require, will become more respected, as it is, has been also, perhaps, part of the life-blood of indeed, respectable. Our farmers will become man, and part of the sap of the vine. It may a more influential class in society, and will claim have helped to moisten Pharaoh's lips with their true position. Enlightened labor will, with wine, and possibly rolled down in a tear, on the aid of steam and animal power, become more and cheek of the penitent Magdalen. That atom, like more productive, and our crops, produced at less every other, has existed from the creation, and cost, may be sold at lower prices.

circle of readers, to make liberal arrangements and measure the elements which constitute the for large crops the present season, in as much as, plant. He can tell us of what it is composed, whatever we regard as the causes of the present and their just proportions. This he calls Axcrisis, their effects are likely to endure far beyond ALYSIS. the next harvest time.

CULTIVATION OF MILLET.

cultivation of a crop in which they may be disappointed. There are the three species of Panicum cultivated as millet, besides two or three are differences of opinion on this point, we will species of the Sorghum under the same common assume that, substantially, this is known, and name.

Panicum Italicum, have round heads, much resembling what the farmers know as pigeon grass. I have cultivated these two varieties in Western manures, what the soil does not already contain. New York, but did not find them profitable. size of the stalk and the great proportion of doctrine of soil analysis and special manures. leaves, cattle and horses seem more fond of the

An acquaintance of mine, summer before last, raised one acre, from which he harvested and I conversed with a farmer the past week, who yet agreed. raised it the last summer, who said "his crop was considerably injured by the drought, yet he the cultivation of this crop depends upon the we are pretty certain, both by theory, and by species cultivated.—Rural New-Yorker.

For the New England Farmer.

SPECIFIC MANURES.

BY HENRY F. FRENCH.

Our illustration is finished. It might readily All plants, as well as animals, are composed of

That atom, which is now part of a dew-drop, will continue to exist "till time shall be no In the meantime let us again urge on our own more." The chemist can separate, and weigh

Then he examines the soil on which we would produce such a plant. It is manifest that the plant cannot grow, unless somewhere it finds EDS. RURAL:—In your paper of April 7th I the elements which compose it. The earth, the have read an article, under the head of "Cultiva- air, the water, must furnish every atom which the elements which compose it. The earth, the tion of Millet," which, without an explanation, makes a part of the plant. The chemist thinks he might lead some of your readers to embark in the knows what comes mainly from the air, and from that the only remaining labor is, to ascertain Two of those species, Panicum Germanicum and what the soil can furnish towards forming the plant, and to supply to the soil in the form of

For example, phosphate of lime makes a part The common or German millet grows with a stalk of every grain of wheat. We assume that the four or five feet high, as large as a wheat straw air and water will not furnish enough of this and coarser as feed for stock. The Panician all and water will not turnish enough of this substance for a crop of wheat. We examine the broad leaf at each joint, the stalk terminating in soil, by a chemical analysis, and find no phosa panietr, somewhat like a loose paniele of Poland phate of lime, and nothing of which this comoats. There are two varieties of this species, one pound can be made. Now, says the chemist, we having brown and the other yellow buds. This must supply to the soil, what is wanting—phostion than the two first named. From the small phate of lime, in some form. This illustrates the

This theory is perfect, and I have no doubt is straw of this species than they are of best timothy practically useful, to a considerable extent. Of what practical utility it is, and how far special manuring, based upon analysis, does actually threshed thirty bushels of seed, and the straw he prove successful, are questions about which the considered equal to three tons of timothy hay, great minds of this, and of other lands, are not

When we return to the land, in form of our considered it the most profitable crop he raised common manures, the same elements substantialupon his farm, as both his cattle and horses were ly that were taken from it, in other words, when more fond of it than they were of his best hay." we consume our crops with our animals, and From the above, you perceive that the profit of haul out from our barns and stables the product,

experience, that we supply the elements necessa-space as in water. These atoms, if they really ry for the new crop. If, instead of this, how-exist, are so small that they cannot be seen by ever, we were to return to the land the hay it-the most powerful magnifying glass. self, and the corn and the potatoes in their un- We have a familiar illustration of the different the form in which the plants can appropriate selves in a fixed order, and to assume these reguthem readily. It is not enough, then, that we lar and beautiful shapes, the chemist does not apply to the soil merely the elements of which pretend to understand. the required crops are composed. There must be reference always to the form in which these ele- Working Farmer, has well illustrated this subments exist.

We readily see the absurdity of literally following out these theories, although we often and specific manures among us, he shows us the avail ourselves of them, to great advantage. - | danger of relying on the chemist alone, for an es-We see our cows, sometimes, chewing bones. timate of the value of manures. We say, the poor animal needs phosphate of lime, she has been milked a long time, and milk is composed of certain materials and water. All contains lime, and so we give her some bone these materials exist in rocks, and may be sepadust, which contains the phosphate of lime, and ted from them. she eats it, and is cured of her determination to choke herself. So far, theory and experience seem to run together. But your heifer does not by the constituents which analysis shows to exgrow well. You know what a heifer is composed ist in 10 lbs. of blood, and that these constituents of, and according to the theory of supplying the very elements essential to the growth, suppose you offer her a quarter of beef! She ought to eat it, and thrive upon it, but she knows better. The beef has all the elements, or many of them, in it which she requires, but not in the right tilized by the same constituents taken from the

These illustrations, absurd as they may, at first, seem, point to an important truth, and they make suggestions to which the chemist can give gelatine, fatty matter, etc., and leave phosphate no satisfactory answer.

plants and of soils, but it fails often to give us similar piece of land with the same amount of information whether or not these elements exist location at Dover, N. J., or Crown Point, Lake in a form to be readily taken up in the growth Champlain, and dissolve this also in sulphuric of the crop. A diamond and a piece of pure acid, we should find that the portion fertilized by charcoal of the same weight, give by chemical the dissolved bones would yield a crop much analysis, precisely the same results. There is larger than that arising from the use of dissolved known to chemists a class of substances called phosphate from the rock. Isomeric, (from the Greek, meaning, literally, by its entering into animal and vegetable organequal parts,) denoting bodies composed of the isms, undergo any changes which are important same elements in the same proportions, but of different appearance and properties. The theory most commonly received as to this matter is this. Every substance is composed of small particles, which his in contact with such other and are discoverable by chemical test or microscopic investigation? All experiments seem to prove that is one for a real are discoverable by chemical test or microscopic investigation? All experiments seem to prove that is of a real are discoverable by chemical test or microscopic investigation? All experiments seem to prove that is of a real are discoverable by chemical test or microscopic investigation? All experiments seem to prove that is one of the contact with such other and are discoverable by chemical test or microscopic investigation? All experiments seem to prove that is one of the contact with a such case of the co which lie in contact with each other, and are ditions, really do differ in their adaptability for called atoms. Between these atoms are inter-appropriation in organic life, and thus the ingrestices or pores. In light bodies, the atoms are dients found in the blood or bone of an animal, not so close to each other, and are not so well fitted together, as in heavy bodies. In steam, for place in vegetable or animal life a thousand instance, the atoms overpre 1700 times as most

changed forms, and spread them on the surface, forms assumed by the same substance, when we or plow them in, we should expect no such bene-slowly cool a solution of saltpetre made in hot ficial results. And why should we not? The water, which will take the shape of crystals, manifest reason seems to be that the hay and whereas if suddenly cooled, it will assume no the corn and the potatoes, though possessing all such forms. By what mysterious power Nature the required elements for a new crop, are not in thus compels these particles to arrange them-

> Professor Mapes, in the April number of the ject in its application to fertilizers. Although, perhaps, the strongest advocate of soil analysis,

> "The chemist tells us by analysis, that blood

Now let us suppose ten square yards of soil to be fertilized by 10 lbs. of bullock's blood, and another ten square yards of soil to be fertilized shall not only undergo the greatest degree of mechanical division by grinding, but they shall absolutely be placed in solution and applied to the soil, still, notwithstanding this great mechanical sub-division, the ten yards fertilized by the blood will yield double the amount of crop of that fer-

As another instance. Should we fertilize one piece of land with the bones of an animal, previously heated to redness, so as to drive off the of lime only, dissolving it before its application Chemical analysis may give us the elements of in sulphuric acid, and should fertilize another

This gives rise to the question. Does matter instance, the atoms occupy 1700 times as much times, at each of which assimilation, growth, and

decay, it may have been more fully suited for its and in the hollow trunks of trees, hours before a present advanced purposes, and thus the phost storm set in.

phate of lime and other constituents of blood. The sagacity thus displayed, if we may call it may differ in their applicability for re-appropria-such, seems to put the higher reason of man to tion, from the same materials in a less advanced shame. In vain do our most expert savans enstate. We all know that when a plant or ani-deavor to predict the character of an approachmal decays, or is consumed in any way, that its ing season, or even to foretell, a few days in adultimates pass back either to the soil or the at-vance, the condition of the weather. The woodmosphere, and are re-united in some new organ-cock that uncrringly fixes its nest in the spot ic form; no one particle is ever put out of exis-best suited for the coming summer, or the smail tence—and may not this be the cause why many whose tubercles begin to grow ten days before manures are to be found so much more effective the rain they are preparing to receive, appear, than others of similar composition?

green crop, when applied to the soil from origi-mals is in the quantity of their endowments, nal sources, will produce no such result as is rather than in the equality; they have a single consequent upon the plowing under of a green faculty developed to an extraordinary degree,

some constituents direct from the rocks."

The article from which the above extract is made is entitled, "Advancement of ultimates by THE BLUE BIRDS-CURE FOR BLACK their use in organic Nature." I have placed in italies the leading thought suggested. Whether it be founded in truth or not, it certainly is ingenious, and plausible. If the atoms or particles of matter, which have once formed a part of a plant or animal, are thereby changed in form, so as to be more readily taken again into vegetable growth, it may be further interesting to inquire, by what processes, in the laboratory or out, these peculiar forms may be destroyed or preserved.

The idea that they are thus changed, and that neither chemistry nor any other science can deteet the change, gives new support to the old fashioned notion, that experience is better than theory. и. г. г.

ANIMALS FORETELLING THE WEATHER.

INSTINCT AND REASON.

It is said that the woodcock in New-Jersey is building its nest, this year, in open and moist places; and old huntsmen predict in consequence that the summer will be a dry one. There was a time when science, or what was called such, laughed at signs of this description, as no better than "old women's tales;" but though many of them are still unreliable, a larger observation of this example. American Association for the advancement of Science, a curious paper was read on this subject, by Mr. N. B. Thomas, of Cincinnati, who had, for several years, studied the habits of animals in reference to the indications which they might afford respecting the weather. might afford respecting the weather. He showed that birds, if the season was to be a windy or insects were invariably to be found under leaves, animals.

at first sight, to surpass the more developed men. All know that the ultimates contained in a But the inferiority of those lower orders of aniwhile man has, as it were, faculties almost infi-We all know that night-soil, urine of animals, nite. In thus adaptizing each organization to stable manure, etc., produce effects in vegetable its special position, the wisdom of the Creator is growth not to be arrived at by the use of the forcibly exhibited.—Philadelphia Ledger May 9.

For the New England Farmer.

KNOT.

Messrs. Editors:—The blue bird returned to us this year on the 23d of March, eleven days later than the date of their return last year. The robins were first seen on the 13th day of March, making their return some seventeen days later than last year. Now, as the season was quite as forward and mild as that of last spring, I wonder if the little travellers did not make a mistake in their almanae, or if, like man, they have not degenerated from their ancestors of patriarchal times, who knew "their appointed time." By the way, Mr. Editor, did you ever see or hear of a white "hair bird?" You probably know the little fellow, a species of sparrow, sometimes called chipping bird, who loves to come round the house and make himself at home. Well, not long since we saw one in a flock, perfeetly white, its little feathery coat pure as snow.

Another fact I have been treasuring some time to send to you, though, if I mistake not, the remedy named has been proposed before, but in this it has stood the test of trial. A friend of ours was at work in his garden one day, about two years since, and about to cut down a plum tree which was half covered with these black knots, so common and so troublesome to the fruitgrower. He had some spirits of turpentine near, and he suddenly bethought himself to make an nature has taught that animals have an instinct. He cut the knots with a sharp knife down to the At last year's meeting of the wood, and made a thorough application of the American Association for the advancement of turpentine. Months passed, the tree lived, did

Profits of Orchards.—A distinguished agriwet one, build their nests in sheltered places; culturist, who has 1000 apple trees, and intends but, if it was to be dry, in localities more ex- to set out as many more, says that if apples will posed; that certain kinds of snails always came sell at 25 cents per bushel, they are his most out, and erept up the limbs of trees several days profitable crop; and if they will not sell, they before rain; and that locusts, wasps, and other are the cheapest food he can raise for all kinds of



THE OAKES PRIZE COW.

THE OAKES PRIZE COW.

S) much has been written and said about this history.

vers, in the year 1813, then five years old, having here presented, is pronounced by these gentlemen been originally bought by Mr. B. Goodridge, of to be an accurate and admirable likeness of this Danvers, at the age of two years, from the drove of a Mr. Copp, drover, from Randolph, Vt. never produced offspring equal to herself for She was recommended to Mr. Copp as being one of a breed celebrated for its milking qualities. The effect upon her constitution, by surfeiting and over-feeding, for the She was of a dark-red color, rather under size, and described by Mr. Goodridge as "high and habind barring a straight back large belty." broad behind, having a straight back, large belly, none of which are known to have been raised till small neck and head, fine horns, bright eye, and after the year 1816.—Agriculture of Massachu-in all respects symmetrical and handsome." While setts, for 1854. in possession of Mr. Goodridge she had her first calf, which, at the age of four weeks, made firstrate yeal, weighing over twenty pounds the quarter. Mr. Oakes made from her the first year, and without over-feeding, no less than one humof April, and the calf, being very fine and fat, grafting. was killed on the 8th of May; after which, she had good pasturage all the season, and was al- I. P. Kirtland, who has had much experience lowed one bushel of meal a week, together with in grafting cherries. all her skimmed milk. In June of that year, Mr. Oakes weighed her milk, and found that she gave rather cut than split by this process. ten quarts at night, weighing twenty-six and a half pounds, and seven quarts in the morning, weighing eighteen pounds; in all, forty-four and a half pounds a day.

The quantity of butter made in the year 1816 was as follows :-

Before the calf was killed17 po	unds
May 15	44
44 22	66
" 28	66
June 5	44
" 1218½	"
" 1917	4.6
" 2618	44
July 318	"
" 1017	"
" 1716	"
" 24	"
" 31	"
August 7	"
14	44
	"
40	"
September 4	"
1119	"
" 18	"
October 2	"
" 15	"
" 21	"
" 2916	46
November 7	44
" 13	66
" 23	44
" 5013	44
December 1014	66
" 20	44
Total4844	66

furnishing to the family one quart of milk per to a liquid, as it appears that the substance

day. The butter made from her was of a superior quality.

This cow received the prize of the State Society celebrated animal, that it has been thought de- at the Brighton Show, in 1816. She was pursirable to state what is known of her origin and chased of Mr. Oakes by Hon. Josiah Quincy, who afterwards sold her to Colonel Samuel Jaques, of She was purchased by Mr. Caleb Oakes, of Dan-Ten Hills Farm, Charlestown. The cut which is

For the New England Farmer.

NEW BUDDING KNIFE.

Messrs. Editors:—Having seen the decided dred and eighty pounds of butter. In the next advantage of using a thin-bladed knife for splityear (1814) he gave her ten or twelve bushels of ting the stock in grafting, I am desirous of inmeal, and made three hundred pounds of butter. forming my brother amateurs that they can find In 1815 he gave her from thirty to thirty-five at Kingman & Hasan's, 128 Washington Street, bushels of meal, and made over four hundred Boston, one of the best instruments (in my estipounds of butter. In 1816 she calved on the 5th mation,) which has ever been got up for eleft

The hint for making it was derived from Prof.

Its main value is for small stocks, which are

Dedham, April 16, 1855.Eben Wight.

Remarks.—We have looked at the knife mentioned, and should think it a decided improvement on any we have before seen.

Quick Work.—It was once the fashion to wear coats, the material for which had not long before been on the back of the sheep. For rapidity of work in this way, I know nothing that can compete with the achievement of Coxeter, of Greenham Mills, near Newbury. He had a couple of South Down sheep shorn at his factory, at five o'clock in the morning; the wool thus produced was put through the usual processes; and, by a quarter past six in the evening, it resulted in a complete damson-colored coat, which was worn at an evening party by Sir John Throckmorton. A wager for a thousand guineas was won by this feat, with three-quarters of an hour to spare. The sheep were roasted whole, and devoured at a splendid banquet. In one day they afforded comfort to both the inward and the outward man .-Habits and Men.

Butter.—Though butter may be considered as one of the most common of all ordinary things, yet the ancients were nearly, if not entirely, ignorant of its existence. The older translators of Hebrew seemed to think that they had met with As late as the 28th of December, she gave it in Scripture, but most modern biblical critics eight quarts of milk per day. While in the post agree that what was formerly interpreted butter, session of Mr. Oakes she had four ealves, and signified milk or cream, or, more properly, sour suckled each of them over four weeks, besides thick milk. The word referred to plainly alludes

meant was used for washing the feet, and that it those agricultural papers which are sent by way of was imbibed, and had an intoxicating influence. exchange to the office of the Board of Agricul-It is well known that mares' milk, when sour, ture. has a similar effect. Those acquainted with the authorized version of the Bible would infer, on reading the 30th chapter of Proverbs, that butter informs us that Messrs. Fisk and Noveross are was prepared by shaking or beating; the original, however, signifies pressing or squeezing, evidently million feet of lumber. They are now passing meaning milking, and not the making of butter. Holderness and Plymouth, and so far have had an reference known.

AGRICULTURE OF MASSACHUSETTS.

Massachnsetts, for 1854, has just been issued, and up in unshapely masses against the rocks in the will compare favorably with those of any pre-ddies. The men and oxen have as much to do as ceding years, and with volumes of the same char-they can well attend to. The lumbermen of acter from any other State. The character of Messrs, Fisk and Norcross are all temperate men the New York Transactions is different from this, and fine athletic fellows. The far-famed New Enginasmuch as they contain elaborate and careful land dish of baked beans constitutes one of their surveys of some of the counties, including their early settlement, geography, topography, geologicamp in a style which would do credit to the cal formations, and natural history, together with most accomplished cuisinier. Their process of whatever there is in them of a curious or recooking is this: In the evening they build a huge
markable nature. We trust the day is not far
distant when Massachusetts will find it for her
interest to develop the agricultural resources of
a few pounds of pork, and cover it over with a this Commonwealth, something after the example great pile of embers and ashes; and when it is given us by our New York friends. She has opened at breakfast time the next morning, it is done nobly, already, we confess, in the numerous works which have been produced from time to time by order of the Legislature, and among Boston Journal. which are the Four Reports on Agriculture, by Mr. Colman, Reports on Geology, by Dr. Hitchcock, on the Ichthyology and Herpetology, by D. good wheat flour contain 90 pounds of pure nu-H. Storer, on Ornithology, by W. B. O. Peabody, hundred pounds of potatoes contain from 20 to on the Herbaceous Flowering Plants of Mass., 25 pounds of nutritive matter depending upon by C. Dewey, on the Quadrupeds, by E. Emmons, the quality of the potatoes, say 221 pounds, upon on Insects Injurious to Vegetation, by T. W. Har- an average, consisting almost entirely of starch, ris, on the Invertebrata, comprising the Mollusca, and 77½ pounds of water and inert matter. It Crustacea, Arnelida, and Radiata, by A. A. Gould. of potatoes to supply the same amount of nutrialso something upon Zoology and Radiana and Alaborate and Al also something upon Zoology and Botany, and the ment that one hundred pounds of wheat flour Report on the Trees and Shrubs growing nat-supply. The best potatoes weigh about 64 lbs. urally in the Forests of Massachusetts, by G. B. to the bushel, and a bushel contains 15 1-5 lbs. Emerson.

This volume, as well as that of last year on the Board, and is not only a credit to the State, to the Board, and the Secretary, but will prove of eminent service to the farmers themselves. We hope at some future time to speak more in detail, and present some of the contents of the volcopies of this work for distribution to members, should address the Secretary of the Board of Agwell as the reports of the Secretary, are sent to Alabama.

Lumbering.—A correspondent at Holderness coming down the Merrimae with a drive of fifteen Herodotus, in his account of the Scythians, makes obscure mention of butter. This is the oldest sixty oxen and one hundred and seventy-five men, besides the river, which is now in good navigable order—for logs.

It is a very exciting and interesting sight to see The volume of Agricultural Transactions of the great logs rushing down the river, now piling rapids, and now drifting in immenserafts into the

THE CHEAPEST FOOD.—One hundred pounds of of nutriment. At two dollars per bushel, or fifty cents a peck, the retail price lately in our markets, the nutritive portion of potatoes costs a general agriculture of the State, has been col-fraction over thirteen cents a pound, which is lected and compiled with great care and ability equivalent to twenty-three dollars and fifty cents by Charles L. Flint, Esq., the Secretary of the for a barrel of good flour. While flour has doubled in price only, potatoes have increased at four-fold rate.—Philadelphia Ledger.

We have received from Mr. Jededian Kil-Born, South Strafford, Vt., a fine specimen of Maple Sugar, of his own manufacture. We are ume. The Secretaries of Farmers' Clubs in thankful to our friends for remembering us so any towns in this State, who wish to procure liberally, and can assure them that their favors are always appreciated.

¹³⁷ After protracted droughts, copious rains have riculture at the State House. These volumes, as at last fallen through Georgia, South Carolina and

For the New England Farmer.

USEFUL RECEIPTS.

best.

Rearing Calves .-- I have sometimes raised calves by allowing them to suckle cows for the first three or four months after birth, sometimes, by giving them milk to drink for about the same on the whole, the best of any I have tried:

or a week old, according to the condition of the for a dozen years or more, and have recommended cow's bag, and learn it to drink new milk, warm it to many persons during the time. However, from the cow, feeding it thus, twice a day till if a calf is carefully watched from day to day, four or six weeks old. Then begin quite gradu- and fed on proper food, suitably warmed, there ally to lessen the quantity of new milk, adding, in place of that taken away, an equal measure of skimmed milk—the milk, previous to skimming, having stood about twelve hours, and, befor it is given to the calf, having been warmed to the temperature of the new milk. So graduate the reduction of the new and the addition of the skimmed milk, that the latter shall constitute the entire mess for the calf when it arrives at the age of eight or nine weeks. When the states that he has seen cows from whose bags, by calf is five or six weeks old, give it a few dry reason of garget, no milk could be drawn, so far oats, say a moderate handful daily, and increase cured in forty-eight hours that they would give a little at a time, till at and after ten weeks of nearly as much milk as previous to the attack, age the calf shall receive about a pint per day; and show no further symptoms of the disease. also, at the age of five weeks, begin to feed a little nice fine hay. When the calf is ten weeks camphor gum in new rum, making the liquid old, the milk it receives may be that which has pretty strong of camphor, and apply it on various stood longer than twelve hours before being parts of the body of the animal. It is a harmless skimmed; also at and after this age, the quantity application, so far as the animal is concerned, of milk may be gradually lessened, and water leaving the coat free and clear, but destroys the substituted for the milk taken away, so that lice. In about two or three weeks after the first when the calf is twelve or fourteen weeks old, application, rub on the liquid again, in order to the milk shall be wholly withdrawn, and the calf kill the young vermin that may have hatched out shall receive outs, hay and water, or shall be after the first rubbing. I know of no safe appliturned off to good pasturage.

Thus managed, the calf will never know when hatching. it was weared from milk-will have no season of

feed meal to young calves, either before or after weaning, the meal being too heating, injuring Mr. Brown:-I have made up the following digestion and bringing on purging, and worse little items from my memorandums, thinking still, if fed freely, causing the calf to grow out they may possibly be of use to somebody, and of shape, picked and scrawny. It is also difficult send them to you for publication, if you think to rear a nice well-shaped calf on gruel, because of the incal of which the gruel is in part made. and because the quality for forming well-developed bone and a well-shaped body, which milk eminently possesses, is too much lacking in the gruel.

CURE FOR PURGING .- Take of pulverized comperiod, and, in one or two instances, for want of mon white chalk, and of ginger, each a tablemilk, have brought them up on gruel. Latterly spoonful, put the same into the calf's milk, and I have practised the following mode, and think it, stir well while the ealf is drinking it—the tendency of the chalk being to settle on the bottom Take the calf from its dam when a few days of the pail or trough. I have used this remedy will seldom be any occasion to treat him for any malady.

To CURE THE GARGET.—A writer in the Ohio Farmer says that a cow affected by garget may be cured by rubbing the bag thoroughly, in all parts, with raw linseed oil; that one application is usually sufficient, if done on the first appearance of the disorder, and that two or three rubbings will, in any case, effect a cure. He also

To REMOVE VERMIN FROM CATTLE. - Dissolve cation which will prevent the eggs or nits from

TO PREVENT FIELD MICE FROM GIRDLING TREES .repining and falling away in flesh, or remaining In passing over the farm of Mr. Solyman Cune, stationary in growth-will have no troublesome of this town, a few days ago, I saw the following habit, after the time for weaning, of sucking plan in use to secure his fruit trees from the cows that may chance to be in the pasture or depredations of field mice, they having formerly yard with it, and will be quite as large, plump caused him much vexation and loss by eating off and symmetrical when a yearling, as though it the bark of his trees. Small blocks of slitworkhad been reared by the more expensive mode of stuff, sawed say four to six inches long, are prosuckling a cow. During the winter preceding vided, and bored partly through, lengthwise, with the period when the ealf becomes a yearling, it a 14 inch anger; ratsbane and Indian meal should be fed on the best of fine hay, with one are mixed together, in the proportion of onequart of dry oats, or six to eight quarts of fourth of a pound of ratsbane to two quarts of mashed roots, daily. It is not a good practice to meal; into the hole in each block is put a teanear each tree, the bored end lying a little the than most of assimilating the different manures near each tree, the bored end lying a fittle the lowest, to keep out rain; the blocks are covered is desirable to apply large quantities of the coarsest with boards, some two feet or so long, and of manures, it is the best which can be chosen to resultable width; and the mice, on approaching a ceive them. To restore worn out lands to a high tree, run under the board for shelter, eat of the state of fertility by this means, and yet to proratsbane and meal, and die, and the tree escapes duce constant returns, give a large application of ratsbane and meal, and die, and the tree escapes fertilizing material, plant to corn, and follow with uninjured. I examined many of Mr. Cune's the lesser grains and clover,—a course often taken trees, to see how the plan worked, and in no case by our most enterprising and intelligent farmers. discovered any injury to the bark by mice.

F. Holbrook.

Brattleboro', April 25, 1855.

SCATTER YE SEEDS.

Seatter ye seeds, and flowers will spring; Strew them at broadcast o'er hill and glen; Sow in your garden, and time will bring Bright flowers, with seeds to scatter again.

Scatter ye seeds-nor think them lost, Though they fall amid leaves and are buried in earth; Spring will awake them, though heedlessly tossed, And to beautiful flowers those seeds will give birth.

Scatter ye seeds; tire not, but toil; 'Tis the work of life, 'tis the labor of man; In the head, in the heart, and on earth's own soil, Sow, gather and sow, through life's own span.

Scatter ye seeds in the field of mind-Seeds of flowers, with seeds of grain; In the spring and summer, sweet garlands ye'll find, And in autumn ye'll reap rich fruits for your pain.

Scatter ye seeds in the garden of heart, Seeds of affection, of truth, and of love; Cultivate carefully each hidden part, And thy flowers will be seen by angels above.

Scatter ye seeds-the seeds of Hope; Plant in your bosom the Tree of Life-Then the flowers here budding in Heaven shall ope, And in Heaven will ripen the fruits of strife.

Then scatter ve seeds each passing year; Sow amid winds and storms of rain-Hope give thee courage, Faith cast out fear, God will requite thee with infinite gain.

INDIAN CORN----ITS CULTURE.

production, (and they cover almost its whole be produced by mere culture, even with a small area,) Indian corn is one of the most remunerat-application of manure. A fine deep, oft-stirred ing crops which can be grown, and each year soil, seems to have resources in itself, or to gather adds to its importance in the eyes of farmers, them from the air and rain, which a hard, half-The large use which may be made of this produce in feeding and fattening animals, and also for human food, renders it an article of much value for a rich, deep soil (naturally or artificially so) and consumption on the farm, and the demands of thorough culture, are, more than any thing else, both foreign and home markets are such that any the great requisites for raising a great crop of surplus may always be disposed of at remunerat- Indian corn. The variety must be suited to the ing prices. As a uniform rule, the product peracres locality—our short summers needing a kind that

plied. Though corn, like other plants, has its drought and its opposite have much less effect on

spoonful of this mixture, and a block is placed favorite aliment---yet it possesses a greater power

It is impossible to mark out a plan of procedure adapted to the wants and circumstances of all who will plant corn, -but from the course which one pursues successfully many others can gather hints which they can adapt to their own use with profit. Sward ground or clover leys are almost universally employed for raising corn ;-let us speak of their preparation for that purpose, and the after-management of the crop.

Apply, during the present month, from thirty to fifty two-horse loads of barn-yard manure to the sward land intended for corn, and plow it under as soon as may be, as neatly and perfectly as possible, and at least eight or nine inches deep. If the manure is rather coarse, it is more important that the plowing be well done, so as to cover it well, and thus ensure its speedy decay. Then, with a good harrow or cultivator, or better-a gang plow-reduce the surface to as fine tilth as it can be without disturbing the sod. Mark out the rows about three and one-half feet apart, if it is to be planted by hand, which, unless one has a machine which will give rows both ways, is the best for small fields.

Plant according to the weather—the first half of May used to be the time—and when the corn is up so that it can be seen readily, pass through with a one-horse cultivator, and then dress with a mixture of ashes, plaster and salt—a handful to each hill. In a few days cultivate again and dress carefully with the hoe, leaving four or five plants to each hill; and keep the soil, by frequent harrowing and hoeing, light and clear as long as the size of the corn will admit of the passage of the horse and cultivator between the rows. And, throughout the season, allow no weeds to steal the fertility of the land and rob the present and future crops of the nutriment properly In those sections of our country adapted to its their due. It is astonishing how much effect can

is more in proportion with the care used in the grows rapidly and matures early, while South preparation of the soil, the planting, and culture, and West the larger and coarser kinds are more than most other grains—the crop being less liable productive. (And, we may add, that this article to blights or diseases, and the attacks of insects. Will searcely apply to other than Northern Iocal-No plant repays more richly an abundant sup-ities.) A well-drained loam is, perhaps, the most ply of manure. On a suitable soil—with climate congenial soil for the corn crop. It will not to match,—its growth is large, rapid, and healthy. flourish upon sour, wet land, nor will the maand it is a gross feeder, seldom injuriously affected nurses it requires there produce the effect desired. by the quality or quantity of the fertilizers ap-1f, also, the soil be deep and frequently worked,

the corn crop. In short, thorough farming-was capable of. In a few days the wound was every thing well and seasonably performed—is healed, and in a short time she was laying eggs appreciated and repaid as well by this, as by any again. product to which the farmer can turn his attention.—Rural New-Yorker.

For the New England Farmer.

STONE FOR BUILDING.

Friend Brown:—About a year ago, I saw in the Farmer some remarks from you upon stone buildings, requesting some one to write upon the subject, as to the expense between stone and wood. I have been hoping to see something written upon the subject, from some one better upon the subject, from some one better upon the subject, from some one better neighbors, with jackknife, handsaw and hatchet house, about eighteen years since, of this ever- in hand, attacking their fruit trees as though enduring material, and have found it, as you they were enemies whom it was their purpose to repair, and warmer in winter and cooler in sum-their power. After the battle has been fought I mer," &c. As to the first cost, I think it not have seen the ground covered with branches, and much more expensive than wood; and if I were in some cases, with heads and trunks lying seatsome manner different from what I built at first. bleeding trees, that remain like wounded and I should use cement instead of lime, and should maimed soldiers, after a hard fought conflict. not guage the stone to a width and lay in courses And the trophies of the victory thus obtained as brick, as this is more expensive. But I should are carried off by whole cart-loads, in the shape split out stone underpinning, long or short, as of sound, healthy sprouts and branches, covered they might happen to be, of sufficient thickness with leaf and fruit-bud, and consigned to the to square the ends where needed, as against win-wood-pile. dows, doors and corners, and chink up so as to the seems to me, sir, that these good neighbors make strong work. In this way I built the L of mine are trying an experiment to see how much lumber is so high.

pared to that of wood.

and with a crooked wire hooked out the contents, and in a few years droops and dies. The crop was stuffed full of grass and grain, and scented very much. I washed the inside of the ly be found to be the most vigorous, and to develop

The Farmer comes to us, bringing a multiplicity of good things. I am glad to see it take such a stand against intemperance and slavery. Have occasionally seen a notice of revivals of religion, and such news is cheering to every Christian John Fiske.

Holliston, Feb., 1855.

For the New England Farmer.

PRUNING.

then remarked, "much less expensive to keep in wound and mutilate and disable by all means in to build again, I should build of stone, though in tered in all directions around the scathed and

part of my house, and it is much less expensive, injury they can inflict upon their trees, without I think where stone is near at hand and of the destroying their lives. When the Inquisitors right kind, the walls of a house can be erected in stretch a heretic upon the rack, they place a surthis way as cheap as wood. And it is strange, geon by his side, with his fingers upon the pulse, where stones are plenty, people do not build more to decide when the torture has been carried to with this enduring substance, especially when the limits of human endurance. But not so with our tree-trimmers. They seem to think that Many have an idea that a stone house is damp there is no limit to the endurance of vegetable and unhealthy, but it is not so if constructed life. This subject has often been referred to in rightly. The wood-work should be set off from your paper, and the evil consequences of such a the stone, giving room for the air. The house I course have been frequently pointed out. But built is thirty-nine by twenty-nine feet; the ay-the fact that this practice still continues, shows erage thickness of stone on the lower story is one that enough has not yet been said. "Line upon foot—upper story eight inches. The expense of line, and precept upon precept," seems to be the the walls at the time it was built, about \$400, only way in which truth can be fixed in the pub-It has cost but a trifle to keep it in repair com-lie mind. If those who pursue this course will watch their trees carefully, and observe the ef-As much is said and done in these days about feets of their treatment for two or three years, poultry, I add a word; if not for the benefit of I think they will be satisfied, that it is not only owners of fowls, it may afford some relief to the useless, but highly injurious. When the trees poor biddie while in distress. I lost a number of are trimmed in March, April and May, as soon as fowls, year after year, by a disease in the crop, the warm weather comes on, and the sap presses There seemed to be a stoppage, and most of the into and distends the sap vessels, it bursts out of food they are would remain there, till it swelled the recently wounded vessels, and runs down and so much it became a burden; they would linger blackens and poisons the bark, and causes it to along a week or two, then die. At last I tried crack and separate from the underlying alburan experiment upon a hen that was about to die. num, and thus effectually prevents the healing of I laid the fowl on its back, and while my son held the wound. Gangrene and death of a portion of the legs and head, with a sharp knife I cut a slit, the wood necessarily follow. Where several such an inch or more in length, in the skin, then cut wounds are made in a tree, its whole constitution the skin of the crop cross ways, in form of an X, will soon become impaired. It ceases to grow,

crop clean with cold water, then with a needle op the best formed and most beautiful heads. and strong thread sewed it up, and after that the Now and then, a limb that is putting forth in an outward skin. I then set the hen down upon the inconvenient direction, or in a direction which floor, when she immediately went off singing, ex-|will injure the symmetry of the head, should be pressing all the thankfulness the poor creature taken away. A limb that is shooting out more

The tree is thus deprived of a large portion of its principally covered with bulrushes. lungs, as well as of many of its best bearing branchsummer, requires to be protected from its rays by shall get the stone cleared so that I can use one, the foliage which nature has provided. The ditice.

belief is that the proper time, in this climate at will produce living witnesses of all I have said. least, is in June and July, when the leaves have attained their full size, and are in full health and vigor, and are elaborating an abundance of sap. In this state, a fresh wound will commence healing at once. New bark is rapidly formed to cover the wound. It is the descending sap from which the new bark as well as all the other tissues of the tree is formed. When this sap, propthe formative vessels, no new growth of any kind is effected. Hence it is only when the leaves are in a condition to perform their proper office, that a wound can be accomplished. Concord,

For the New England Farmer.

HARD AND STONY LAND.

last week's paper, over the signature of "A Tiller remains after perfect desiccation, or the expulsion of Hard and Stony Soil," and, as I happen to be of the aqueous part-is little inferior to that of located on such soil, I thought I would say a the several kinds of butcher's meat, game or few words to encourage my brother to labor with poultry. And, if we give our attention to patience and perseverance to overcome those natural defects. If there is a more hard and stony place in Massachusetts than Cape Ann, I hope ichthyophagous class are especially strong, healthy never to see it. The writer complains that the and prolific. In no class than that of fishers do not always and prolific. improved agricultural implements are not adapted we see larger families, handsomer women, or to such soils, and of plows in particular. He more robust and active men, or a greater exempthe work better than the present ones. I cannot Davy's Angler and his Friend. tell how good the plows were in his section of the country, but I can well remember the one that my father made use of fifty-five years ago. It was covered with old boes, iron hoops, and a few rent. old ox-shoes, to fill up the vacant places. It required four yoke of oxen to draw it, two men to drive, and one to assist in managing it; and meets me in the street." when it was thrown out by a stone, it required at least four feet to get it in again. Now my Smith stares at you! nephew can take one yoke of oxen, and one of Ruggles, Nourse & Mason's No. 2 Eagle plows, him do it." and perform far better work alone on the same land.

ticular, that we can make use of, as well as those of eyes to make a stare.

vigorously than the rest, may be shortened, and who are located on a better soil. If we are lowhen two limbs are chafing each other, one may cated on a hard and stony soil, we can improve it be removed. Shoots that grow from the trunk, by clearing off the small stones, and depositing will generally die or cease to grow, when nature them in the low and springy places, in the shape has no further service for them to perform. The of blind drains. I have made use of all my idea of cutting out the whole central portion of an small stones in this way for twenty years past. apple tree, to let in the sun, is wholly erroneous, and find it to be my best land that used to be

It is true that I cannot make use of a mowinges. In our climate the fruit, so far from requir- machine, nor have I attempted, as yet, to try a ing the direct rays of the scorehing sun in mid-|horse-rake; but hope that, if I should live, I

rections given in English books for the cultiva-rections given in English books for the cultiva-ence, that, by diligence, economy, patience and tion of fruit, are adapted to the moist and cloudy atmosphere of England. The attempt to apply them to the cultivation of fruit in our climate, that I am a farmer, although I am located on her led to the cultivation of fruit in our climate, that I am a farmer, although I am located on has led to the adoption of much erroneous prac- the spot where my ancestors have been from the first settlement of the country. I give my name The best time for general pruning is a mooted in full, so that, if my brother thinks I have made question among intelligent men. But my own any exaggeration, he can make me a visit, and I

Thomas Haskell.

Gloucester, April 14, 1855.

FISH AS FOOD.

There is much nourishment in fish, little less than in butcher's meat, weight for weight; and erly elaborated in the leaves, is not furnished to how, from its softer fibre, fish is more easily diin effect it may be more nourishing, considering gested. Moreover, there is, I find, in fish—a substance which does not exist in the flesh of land animals, viz., iodine-a substance which may the new growth necessary to effect the healing of have a beneficial effect on the health, and tend to prevent the production of scrofulous and tubercular disease, the latter in the form of pulmonary consumption, one of the most cruel and fatal with which civilized society, and the highly educated and refined, are afflicted. Comparative tri-Mr. Brown:—There was an article in your tion of solid matter—that is, the matter which als preve that, in the majority of fish, the propor-

A STARE.—"Father, I hate that Mr. Smith," was from nine to ten feet long; the mould board said a beauty, the other day, to her honored pa-

"Why so, my daughter?"

"Because he always stares at me so, when he

"But, my child, how do you know that Mr.

"Well, Sarah, don't you look at the impudent man again when you meet him, and then he may There is great improvement in other agricul-stare his eyes out without annoying you in the tural implements, buy and manure forks in par-least. Remember that it always takes two pairs

HARDY BORDER PLANTS.

THE LILY FAMILY.—Portions of this tribe have a time-honored claim to the flower garden, long anterior to the introduction of the more showy China and Japan species and varieties, all of writing for the public, therefore you must excuse which give promise of becoming ultimately classed as hardy plants. According to Breck, they are all quite hardy if protected during the winter with a coating of leaves or long dung; if so, no garden should be without them. When planted, the bulbs of the lily should not be removed often, as it injures the flowering for the ensuing year, and if kept out of ground any length of time it will not recover its strength for two or three years.

the bulb, each of which is capable of forming a new bulb, and should be stuck in sand in a shady border, or in pots, in pits or frames. method is usually resorted to, to propagate scarce or new kinds; the ordinary way is to collect the small bulbs that spring from around the old ones yearly, and plant them in a well prepared border, till they become strong enough to flower. They Allowing one-fourth shrinkage in dressing, (and also seed freely, and some kinds produce a quan-he was a lean hog,) and he gained nearly three

Most garden soils will grow them, but to see them in perfection, make a soil fifteen or eighteen inches deep, of loam, peat, muck, decayed leaves, and rotton manure, each equal parts, well mixed together. The best time to transplant is as soon as the leaves die awayin August. The following kinds are all first rate, besides which every body should venient phrases with which men cheat and degrow the splendid native species—Lilium supurhum, orange color in cluster—L. canadense, (Nodding Meadow Lily,) yellow or deep orange scarlet fort—it can't be helped. Your energetic man is ding Meadow Lily,) yellow or deep orange scarlet spotted with brown, and L. Philadelphicum, (common Red Lily,) vermillion, richly spotted with

L. longiflorum, the long flowered white lily.-Flowers pure white, and fragrant, native of Japan. Flowers in July. Good for pot culture.

a place in every garden, from its imposing appearance when in flower. Levant. July.

the petals of the flower reflexing very much, giving it the resemblance of a cap. There are many varieties of this species, with different colored by reason of your neglect of cleunliness. "It flowers, as white, purple, spotted and variegated. Germany. Flowers in July.

and black spotted flowers. China. Flowers in

August.

L. chalcedonicum, searlet Martagon Lily-Flowers scarlet, reflexed, a good common kind;

native of the Levant. Flowers in July.

L. japonicum, the Japan Lily-This and its varieties are the finest of the genus, and have hitherto been treated as green-house plants. variety speciosum has a pink and white frosted this will never be done by the "can't-be-helped" ground, finely spotted with deep crimson. The people. Man is not helpless, but can both help L. lancifolium album, is pure white, with reflexed himself and help others. He can act individually not be a made a position of the control of the contro petals, and a peculiar crested projection of bright and unitedly against wrong and evil. He has

L. lancifolium punctatum or roseum-Flowers large, white, petals studded with pale rose or blush projections, and beautifully spotted with sition out of which arises the miserable, puling, rose color.—Edgar Saunders.

For the New England Farmer.

A GOOD HOG.

Messes. Editors:—I am not in the habit of this intrusion. In looking over your paper of last week, I find a communication of S. & R. Farnsworth, of New Hampshire, in which they give the particulars of a line hog, excepting the cost of fattening, or, in other words, the profit and loss. It is one thing to make a good hog and another to get pay for so doing.

Feb. 1, 1853, I took a shoat which weighed 230 lbs, and fed him 90 days, in which time he They are readily propagated by the scales of consumed 19½ bushels of grain, being a mixture to hulb, each of which is capable of forming a bushel. He dressed 399 lbs. Now for the profit.

> April 30, Cr. by 399 lbs. pork, at 9 cents per lb.....\$35,91 Feb. 1, Dr. to 230 lbs. shoat, at 6c per lb.....\$13,80 " 19½ bushels grain, 75 per bushel. 14,62

tity of small bulbs upon the stems, which can be and one-third pounds a day for ninety days.

With respect, J. E. Putns

J. E. PUTNAM. Sutton, April 2, 1855.

IT CAN'T BE HELPED.

"Can't be helped," is one of the thousand conceive themselves. It is one on which the helpless for helping everything. If he sees an evil, and clearly discerns its cause, he is for taking steps forthwith to remove it. He busies himself with ways and means, devises practical plans and methods, and will not let the world rest until he has done something in a remedial way. The indolent man spares himself all this trouble. He L. candidum, the old white Lily-Worthy of will not budge. He sits with his arms folded, and is ready with his unvarying observation, "It ean't be helped!" as much as to say-"If it is L. Martagon, Turk's cap Lily—So named from it ought to be, and we need not bestir ourselves e petals of the flower reflexing very much, giv-to alter it." Wash your face, you dirty little social boy; you are vile, and repulsive, and vicious, can't be helped." Clear away your refuse, sweep your streets, cleanse your drains and gutters, pu-L. tigrinum, Tiger spatted Lily—A very common showy garden kind, with orange ground, for the cholera is coming. "It can't be helped!" Educate your children, train them up in virtuous habits, teach them to be industrious, obedient, frugal, and thoughtful, you thoughless communities, for they are now growing up vicious, ignorant and careless, a source of future peril to the nation. "It can't be helped." But it can be helped. Every evil can be abated, every nuisance got rid of, every abomination swept away; though the power to abate and eventually uproot them. But, alas! the greatest obstacle of all in the way of such beneficial action, is the feeling and dispoand idle ejaculation of "It can't be helped."

For the New England Farmer.

GRAVEL WALLS.

Mr. Editor:—The point at which the remarks this is especially the case with rich limes. I heretofore offered you stopped, was, a suitable

holding stone, brick and other matter together.

English writer, Jennings, (not a very modern one, pact adhesive mass. But different limes require it is true,) says, "That it is well known that quick-different proportions." lime alone and water will not make good mortar. from the neighborhood of spring water." He question is very essential in reference especially says further, "that equal parts of quiek-lime and to concrete or gravel buildings. the article which is to supply the carbonic acid, O. S. Fowler, who first buil ent, but it may happen from peculiar circumstances that this general rule ought to be departed from." It must not be overlooked too that waof mortar, and from our theory, he says, "it follows that that which contains the greatest quanation is, we are not prepared to say.

ally admitted that the induration of mortars de barrows of sand to eight barrows of lime. whatever takes place.

the necessary quantity at once; none must be added during the effervescence, or the lime will be This mass of lime and water, sand, gravel and

gritty. Equal care must be taken not to drown the lime with too much water. Thus drowned it loses the greater part of its binding qualities, and

"The substances mixed with lime to form mortar are sand, ashes and burnt clay. To enable adhesive mixture for gravel buildings. tar are sand, ashes and burnt clay. To enable Mortar, as a building material, is a cement lime to harden by the absorption of carbonic made of quick-lime and sand, for the purpose of acid, it is necessary to divide it as minutely as possible, or so as to expose as much surface as pos-Limestone is sufficiently firm and compact for sible to the action of the air. The addition of building, and is doubtless safe and durable. The any of the above substances effects their division, process, as is well known, in producing quick-lime, and their action is simply mechanical." The same is to expose this stone to a powerful heat. This writer says, "that if a greater proportion of sand process destroys its peculiar qualities as stone by is used than 3½ of sand to 1 of lime, (chalk lime driving off the carbonic acid, yet is in a state is here spoken of) the mortar is not plastic enough which with suitable additions or absorptions of for use, and causes it to be too friable, for excess carbonic acid, it will become stone again. An of sand prevents mortar from setting into a com-

The theories of these authors differ seriously in Various substances have been used for the pur-reference to the process by which quick-lime bepose, as finely sifted coal ashes, and gravelly sand comes stone again, and the settlement of this

whether sand, fine gravel, coal ashes, or other this section of the country, and who published a O. S. Fowler, who first built on this mode in matter, will be a fair proportion of each ingredi-book on this subject, seems to have proceeded without much attention to the proportion or principles of mortar-making; and, so far as I am informed, those generally who have built in this ter is a necessary ingredient in the composition manner have followed too closely his directions. On the 24th page of his book, after a description of the materials for his walls, is the following: tity of carbonic acid unmixed with substances "These materials now require to be mixed with not congenial to the composition of mortar, such lime, and any easy mode of commingling these as clay and vegetable, matter must be the best. stones, gravel and sand with the line, will serve Besides the carbonic acid and lime, which are the the purpose. I have never tried mixing them in most important parts in the formation of mortar, a dry state, but am certain this will answer a there is reason for concluding that the water it-good purpose, but it will probably take some self is more than a medium for the formation of more time; yet I think it better to wet the lime the carbonate of lime; but what its precise oper-first, because it incorporates itself with these stones better wet than dry; at least, I think the A writer, (Cregg.) in the tenth number of the fourth volume of The Plough, the Loom and the mixing with the stones." On the 28th page he Anvil, on the subject of slaking lime and preparing mortar, says, "To bring caustic or quick-lime in my water, not merely enough to wet the lime, in my water, not merely enough to wet the lime, into a fit state to be mixed with other ingredients but so that the whole mass would be as thin as to form mortar, it must be reduced to a hydrate, milk, and stirred it up completely, so as to amalwhen it is called slaked lime, and the process of gamate the water and the lime together." He reducing it is called slaking. It is pretty gener, then put into this *lune-water* sixteen to eighteen pends upon their absorption of carbonic acid from was too thick to be worked easily, more water the atmosphere; and it seems to be essential to was put in, and as it was worked water was still this reunion of carbonic acid with the lime, that added, until the mass was so thin that it would the latter should have previously combined with follow the men about as fast as they worked its equivalent, or about one-third of its weight backward and forward." "I speak of this thinof water. Stuccoes made with hastily prepared ness," he says, "because lime mixes so much bet-lime remain soft and powdery for a long period; ter when a large amount of water is used than but those prepared with well-slaked and tempered when it is rather dry." He further says, "that lime soon absorb carbonic acid, and become hard he mixed about one hundred barrows of stone often to a considerable depth from the surface. and sand, to eight barrows of lime; and the pro-The presence of water being necessary, is further portionate value of the lime is to good stoneconfirmed by the fact, that if dry quick-lime be lime as 21 to 8, making from thirty to forty parts placed in a jar of carbonic acid, no absorption of gravel and stone to one of stone-lime." But this he admits is too little lime, and recommends "Quick-lime slaked by the addition of water, is one part stone-lime to twenty, twenty-five or thirthe mode usually used in practice. * * * In this ty parts sand and stone; and finally "recommends made of slaking case with the state of the slaked by the addition of water, is one part stone-lime to twenty, twenty-five or thirthe mode usually used in practice. * * * In this ty parts sand and stone; and finally "recommends to the slaked by the addition of water, is one part stone-lime to twenty, twenty-five or thirthe mode usually used in practice. * * * In this ty parts sand and stone; and finally "recommends to the slaked by the addition of water, is one part stone-lime to twenty, twenty-five or thirthe mode usually used in practice. * * * In this ty parts sand and stone; and finally "recommends to the slaked by the addition of water, is one part stone-lime to twenty, twenty-five or thirthe mode usually used in practice. * * * In this ty parts sand and stone; and finally "recommends to the slaked by the slaked mode of slaking, care must be taken to throw on to those who are timid and cautious, one part of

numbed, fall in powder imperfectly, and continue stones, was mixed with the shovel and still wa-

cumulation of carbonic acid as it could meet, and you want the weight set forth in tons avoirduimmediately deposited on the wall and strange to pois, you have the following pretty row of figures—tell, that it remains hitherto, not so much an ad-1,256,195,670,000,000,000,000,000 tons weight; hesire mass (if science be true) as a well-packed or, in words—one quadrillion, two hundred and collection of stones, sand, gravel and lime, (with fifty-six thousand, one hundred and ninety-five the irregular broken slate-stone predominating, trillions, six hundred and seventy thousand billion which is a very favorable feature) with but little tons avoirdupois!

disposition, I shall inflict upon your columns are beyond the power of human conception. They still another article at least on this subject, and if must stand in all their nakedness—an arithmetical any of your readers intend soon to build after marvel. In the words of Chambers' Journal, from this method, and are desirous for the whole sto- which we have condensed these facts, "after weightry, it may be said to them, get your foundation ing the earth, we cannot realize the enormity of ready as soon as you will, but do not commence its weight; and yet the earth itself is but an the work above the underpinnings earlier in the atom in the universe!"-Portland Transcript. season than the first of June. W. H N.

Waltham, May, 1855.

WEIGHING THE EARTH.

"What, weighing the huge earth as you would a pound of soap or a lump of lead?" And why not? If modern science cannot furnish the fulcrum that Archimedes wished for that he might move the earth, it can at least find a balance in which to weigh it. This curious operation was performed several times, in the last century, but It was done in London and in a corner, but was not done in an hour or a day. It was a long labor of nearly four years duration. But how was it done?

Well, that would require many words to explain, but briefly we may say that Mr. Bailly did sum be better, or would you combine the two? not clap the earth into a scale, and counterbalance it with an indefinite number of pound will greatly oblige a young farmer. weights, nor did he take it to pieces and weigh it in fragments. He did it by the aid of Newton's great discovery—the power of attraction. He hung a slender rod, with a light ball upon each end, to the ceiling, by means of a silk or wire thread fastened to its middle. He then placed a massive leaden ball near each end of the rod, in such a wise that each sphere attracted the ball next to it in op, osite directions, both thus tending to twist the thread the same way. Carefully observing the effect of the spheres in twisting the thread and causing the rod to vibrate, he then compared the r sults with the effect produced by the earth's attraction upon the thread, and having accurately ascertained the weight of the leaden ter would be excellent in the hill.

spheres, thence computed the weight of the earth. But you may be sure all this was not done without combating with many disturbing influences. A breath of air, a ray of light, the disturbance caused by a man's breathing, the emanasufficed to put the instrument out of tune, and render the results of the experiments wholly fallacious. Consequently, Mr. Bailly was obliged to put a casing about the apparatus, and then,

tered on its passage to the wall, with such an ac-[water, being about half "as heavy as lead!" H

And now, good reader, are you any wiser than If your patience, Mr. Editor is parallel to my you were before? We trow not, for the figures

For the New England Farmer.

HOW TO MANAGE STUBBLE LAND.

Mr. Editor:—I have six acres of stubble land which was plowed last fall; soil gravelly loam; three acres of which, I design for corn, and the other three for potatoes. Now I wish to obtain information through your valuable paper, as to the best modes of cultivating these crops. One of my brother farmers tells me to spread on thirty loads of manure to the acre, and harrow it recently with more accuracy by Mr. Bailly, late thirty loads of manure to the acre, and harrow it President of the Astronomical Society of England. In without disturbing the old turf. Another without disturbing the old turf. Another without disturbing the old turf. says spread on fifty loads and cross plow it. Which way will be likely to give the best returns in corn? Shall I cross plow in the ma-Would nure, for potatoes, or harrow it in? pond muck answer as a manure, or would gyp-If you will give your views on these questions it

A Subscriber.

Remarks.—Apply all the manure yea can spare, per acre, immediately after plowing, and turn it under three or four inches, harrow with a sharp and long toothed implement moved at a quick pace. The old turf ought to be disturbed and thoroughly mingled with the other soil. If you can adopt the advice of your friend who says, "spread on fifty loads of manure and eross plow," you will hardly fail of a crop, let the season be what it may. Old muck and plas-

The Crops.—The Chicago Tribune of May 2d says:--"We do not recollect a season for many years, when on the first day of May the country tions of animal heat from the body—any of these has looked so beautiful, or the growing crops of wheat, oats and grass so thrifty, as they do now." Spring wheat, the Tribune says, is all in and up so as to cover the ground with its beautiful green that his own presence might not disturb it, stood verdure. The amount sown is fully one-fourth in a far corner and watched its movements with larger than ever before, and the prospect could telescopes, through small windows in the casing not be more favorable. Oats, too, are generally And now for the grand result—what does the earth weigh? Well, Mr. Bailly, after allowing for a small probable error, says the density of the above ground. The amount sowed is probably earth is five and a half times greater than that of about the same as last year. Corn had not been

planted; but the farmers were busy in preparing of Worcester are compared with the common double what it was last year.

learn from Ephraim Goss, Esq., of Pittsford, who has just returned from quite an extensive western which he passed, the wheat crop looks well, and there is a pretty large breadth of land sown. But in Southern Michigan, it surpasses any thing heretofore seen in the western country. It is considerably more forward than in Western New York, and promises such a yield as has never been surpassed in any portion of the Union."

The Bangor Whig of Monday says that the grass is starting favorably in that region, and is much more forward than at the corresponding period of last year, notwithstanding the rains have been light as yet.

For the New England Farmer.

WHAT A NATIVE COW IS.

Mr. Editor: - Dear Sir, - In reply to the inquiry of "W. S. L.," in the Farmer of the 5th inst., "What constitutes a cow of native breed!" I would respectfully say, that when I use the term native, it is in the sense generally given to it by practical, common sense men. Scarcely an article appears in relation to cattle, that does not speak of native cattle. He says he means by native breed one "indigenous to the country"—that is, according to Webster, "born within it, not exotie"-"not imported from abroad." long an animal must have been within the country to entitle its progeny to be called native, it may not be easy to define. I have been accustomed to look upon animals as native, that are not clearly shown to be of a different character. It was in this view of the subject that I said "nine-tenths of all the stock of New England are natives. This expression may appear extravagant to a gentleman who has been brought up to look upon improved imported stock alone as worthy of notice; but I think it will not so appear to those common sense farmers who never owned any of the imported stock.

Far be it from me to discourage, in any manner, the introduction of such stock. I am glad to know, from so good authority, the degree of attention given to this stock in the county of Worcester. I presume there is no other county in the Commonwealth that can show a statement any thing like it. And, notwithstanding the intimation of the gentleman that some idea of the general characteristics of the stock of the county of the animals in his own cherished city are what of consumption for ten years past—from 1846 to he would term "improved cattle." "By their 1855, both inclusive. From this it appears that fruits ye shall know them," is a maxim as appli- while a few articles, such as sugars and molasses,

their fields, and by the 15th it was thought the products of some other counties within my knowseed would generally be in the ground. The grass ledge, the improved character of their stock will taper off to a point almost imperceptible. I cheercrop is said never to have looked better than it fully admit that a stock of cows that yield a now does. The prospect is that it will be nearly pound of butter each daily, for six months in a year, is entitled to be called good. I have rarely The Rochester Democrat of the 5th says: "We seen or known a stock doing better than this, on ordinary feed, whatever may be the breed. If I could find six native cows that would do this, at has just returned from quite an extensive western \$50 each, I should prefer them to six of the best tour, that in the six States through portions of improved costing \$200 each, wherever found.

May 7, 1855.

RAIN IN SUMMER.

BY B. P. SHILLABER.

The farmer's heart was sad, his toil was vain, His famished crops were crisping in the field, For not one drop of life-sustaining rain Did the red clouds of 'summer deign to yield.

The eattle 'neath the trees, with bolling tongue, Gave up the search of herbage in despair, And listless in the shade their heads they hung, And chowed their ends with most desponding air.

The brook was dry, or stood a muddy pool, Whose stagnant waters none might dare to drink, Which fate, in crystal brightness, pure and cool, Wooed with its song the thirsty to its brink.

The burning sun drank up the pearly dew That evening pitying, on creation shed, And o'er the parched earth his hot beams threw-The herbage sickened, and the flowers lay dead.

The river shimmered in its lurid rays, The corn grew dry and withered as it stood, The fainting birds scarce raised their tunely lays In dim recesses of the ancient wood.

Then man and vegetation prayed for rain-The withered stalks, like famished hands were raised; But day by day was man's petition vain, The clouds arose and vanished as he gazed.

At length the blessed boon, so long withheld, Came like an angel down in man's dismay, Cheering the heart, that well-nigh had rebelled. And giving joy where grief erewhile held sway.

The thirsty earth drank in with greedy tongue, The cooling flood that trickled o'er its breast-The trees abroad their arms enraptured flung, And grass and flower once more upreared their crest.

The brooks again resumed their gladsome song, And through the meadows took their cheerful way ; Once more the corn its verdant pennons flung, Once more the birds made merry on the spray.

The farmer's heart grew glad, and on his knee, His voice attuned with warm devotion's strain, He poured his soul in gratitude to see The blessed coming of the summer rain,

Which falls, like God's own spirit, on the dust Of man's fallen nature, dead in sin and pain, Till with a newer hope and holier trust It wakens into life and joy again.

Comparative Prices in 1846 and 1855.—The N. can be formed from these facts, I presume he will Y. Journal of Commerce publishes a tabular statenot hazard the assertion that even one-fourth part ment of the wholesale, or cargo prices of articles cable to cattle as to persons; and when this rule and certain kinds of tea and spices, are now acis applied, and the best products of the county tually lower than they were in 1846, the great

majority of articles of consumption have advanced and milk, in almost any quantity, will be in deat a frightful rate from the average prices then mand at fair prices. It is the only article, howquoted. Breadstuffs of all kinds are now nearly ever, among the farm products, which has been double what they were in 1846. For example:

Wheat	flour	in 1846	was \$4.75	a bbl.	In 1955,	$$9.81\frac{1}{4}$
Ryo	6.5	**	3,06	44	4.6	9,75
Corn n	real	44	3,25	44	4.6	5,25
Wheat	per bu	ıslı. "	1,12	bush.	44	2,80
Oats	4.4	44	39	66	44	81
Corn	64	4.	67	64	6.	1,13

Liquors of various kinds have fortunately kept pace with breadstuffs. In 1846 Cogniae brandy sold at \$2.62 a gallon; now, \$4.70 is the whole-

Sperm oil in 1846 sold at 91 ets. a gallon for

tured \$2.05.

Provisions of all kinds have advanced proportionably thus:—In 1846 mess pork sold at \$10.68 then 6% cts. a pound, now it is 10 cents; butter witality mostly gone. was 17½, now 26 cents; cheese was 7% cents, rel, now it is \$6.00. The greatest rise on any one may be reclaimed, fertilized, and made profitanow 11 ets. Rice was then sold at \$4.00 a bararticle, however, we believe has taken place in ble, but to speak of another source of supply grass seed. In 1846 Timothy is quoted (per bar- when close feeding and our scorehing summer rel we presume) at \$13.00, and now it is \$28. suns have exhausted the natural pastures of their —Traveller.

CORN PLANTS FOR FODDER.

the amount consumed heretofore, and butter, in ural pastures. one form and another will supply its place in a considerable degree. Butter is also largely ex- acre is probably the quantity required for sowported, at the same time that there is a constant ing; sow in highly manured drills, i - or and rapid increase in the population, in a ratio three and a half feet apart, cultivate and hoe greater, perhaps, than the means are increased thoroughly, and the rapidity of growth and for supplying it. There will unquestionably be amount produced will be surprising. In cutting a demand, at fair and remunerative prices, for it up do not cut below the lower joint, as that all the farmer can spare.

It is now generally believed that milk is a nuand other articles, it is better adapted to the sys-ceeded admirably with the white flat. tem, even of laboring men, than a diet mainly forms mentioned above, it is common at the ho- two squares in his garden, each 20 by 30 feet, tels and eating-houses in the cities, and hundreds and sowed them with corn—about two quarts to daily dine upon it who have heretofore only con-cach square, which he found too much. When gaged in laborious occupations. The change is a by the roots, and feeding it green, to a fine Dur-

sold at too low a price until within the six months just passed.

These premises being correct, it becomes an important consideration how eows shall be fed in order to produce the largest quantity and the best quality of each. Our pastures, throughout New England, and especially in Massachusetts, comprise the most unproductive lands we have; they have been overstocked and fed until exerude and 93 cts. for manufactured; now the hausted of most of their original elements of fercrude brings \$1.79 per gall., and the manufac-tility, and now require treble the number of acres to support a cow that they did forty years ago, many of them are upon hill-sides too precipitous a barrel; now it sells at \$17.372; mess beef for the plow, and others too stony to admit of then sold at \$7.87, now, at \$11.00; lard was cultivation, their phosphates exhausted and their

> It is not our purpose now to inquire how these grasses.

The maize, or corn plant, of whatever variety, is eminently adapted to our climate. It is har-There are few articles brought to market which dy, easily cultivated, full of saccharine juices, and are in greater demand than milk and butter-abounds in nutritious matter for cattle. They none, which it is more desirable that they should eat it greedily, including the stems when not be sweet and pure, and presented in fine condi-grown too rank, it produces an abundant flow tion. The best butter has brought from thirty-of rich milk, and yields two or three times as seven and a half to fifty cents a pound in Boston much per acre as our usual crops of grass. In market for several years past,-not at the stalls addition to all these advantages, it easts so little and market places, but supplied to families week- for seed, and is so easily cultivated and brought ly, in small quantities. Beef is now, and will to the cattle, that it commends itself to all who remain for some time, scarce, and prices will need a larger amount of green food for their rule that will forbid a use of it in anything like stock than they are able to obtain from their nat-

Between two and three bushels of seed to the will materially check the after growth.

Most persons use the white flat southern corn tritious and substantial article of food; that for seed, but varieties of sweet corn, as well as with bread, baked apples, boiled rice, hominy our common field corn, are used. We have suc-

A writer in the Albany Cultivator, in 1843, made up of meats. In one or another of the states that in the spring of 1842, he prepared sidered it fit food for children or persons not en- about waist high, he commenced pulling it up wholesome one, especially in our hot summers, ham heifer and some pigs; the latter devouring

it as greedily as the former. He pulled up and resowed these squares four times during the season, and kept the animals in the finest order, stomach of the camel they are termed water-cells, without court have also worth paming and was without anything else worth naming, and was and the animal has the power to close their satisfied that nothing else will produce half as orifices so as to retain their fluid contents; and much, as corn thus planted or sown. Every possibly all ruminants have, to a certain extent, time he stript a square, it was forthwith highly manured, and at once spaded up and resown; he horse. generally fed the corn as it was pulled up.

four crops in a single season. Two stout crops rior, disposed like the leaves of a book, and termay be obtained in New England, and in favor-oble seasons, when there are no sware frosts unable seasons, when there are no severe frosts until late in September, three crops.

used as fedder in that shape.

RUMINATION -- OR RE-MASTICATION.

Fritter for the New England Farmer,

BU CEG. H. BADE, VETERINARY SURGEON.

ber of the New English Former, an article write cular fibres, prevent crude materials entering the the ky one who appears to be skeptical regarding duedening until they are properly comminuted, the phenomena of summenten, or re-mastication so as to form, through the action of bile and of fied by zuminants-eren, sheep, &c.; and I panereatic juices, an homogenous mass of nutrihave thought that a few remarks, under the above ment. herding, may interest your readers. In fact, the Posterier to the pylorus we have the duodenum, writtee requires that seme notice should be taken termed in non-ruminants—man and horse for exof it, because it premulgates an error, inasmuch ample—second stomach; into which, through as the writer undertakes to show that re-marken, their respective canals, the hile and panereatic then is a watter of impossibility, &c.

It is the first instance, within my own observa- meacement of the intestines. tion, that an audiendman has ever doubted the The demi-canal, just alluded to, is in the region theory of curinoties in cuminants. Lest, how-where the opening into the various stomatic coever, there shall be others in the same state of partments approach each other. Ordinarily, it is ignerance, I propose to offer a few remarks on a mere groove or duct; but by voluntary act, or

This is a strong membraneus and muscular tube. Having thus briefly treated on the anatomy of extending from the mouth to the cardaic, or the parts, we shall next offer some physiological upper portion of the stomach, which gradually remarks. cularges as it descends, and finally terminates in The food, having entered the mouth, undergoes what is termed the demi-canal. It has, however, a slight mastication, and is somewhat insalivated prolongations into the third and foorth stomach's, by the salivial fluids. In a rough and rather it is composed of four coats or layers, viz., an bulky form, it passes down the cooplagus and external, two middle, and internal; these are enters the demi-canal; its rough, and conseunited by means of cellular adhesions, so as to quently irritating surface, coming in contact with ad sit of contraction and expansion.

middle coats; these are composed of muscular result in a separation of the pillars, so that the fibres, arranged spirally, in contrary directions, half-masticated food falls into the first or second so as to admit of descent and ascent of food and copartments of the stomach. The mere fluid and

the tube-increase or decrease its calibre.

THE STOMACH.

The stomach is subdivided into four distinct stomach, but merely dilations of the esophagus, eanal, and thus at regular intervals ascends used as receptables for crude aliment.

The third copartment is commonly termed many-It will be observed that this writer obtained plics, from the peculiar arrangement of its inte-

late in September, three crops.

The fourth is termed abomasum; this is the Corn plants make an excellent fodder when true digestive stomach. In the calf it is termed permitted to grew to nearly their usual size, and rennel, and, by means of its organic acid, derives then out and dried as hay is neade—but the labor teriorly it is lined by a soft villous membrane, of drying is so great that it will not be generally of drying is so great that it will not be generally congregated in longitudinal folds; these, as they approach the pyloric, or lower outlet, are more irregular, running in various directions. The parts are studded with innumerable glands, which secrete the gastric juice or true digestive fluid. On the lower part of the fourth stomach we find the pyleric outlet, within which is a valvular Mr. Edicor: -Sir, -I notice in a recent num- projection; this, aided by the joint action of cir-

> Posterier to the pylorus we have the duodenum, fluids enter, and this is considered as the com-

the anatomy and physiology of the directive not, as the case may be, it can be converted into organs, considering only the stemach and its apartube, the inlet of which is the termination of pendages.

We shall first notice the associations, or guilet, the region of one or more of the apertures.

the lips or pillars of this canal, act as a stimulus The principal parts deserving notice are the and arouse a set of involuntary movements, which cud; and, at the same time, lengthen or shorten pulpy portions, being retained in the mouth and desophagus, flow gently onward without causing the pillars to separate, and are thus conveyed to (the third stomach, and from thence to the fourth.

That portion of food which enters the first and cavities; the first is named ingluries, or paunch; the second, reticulum, or honogramb. They are not, however, considered part of the true digestive in the form of globular pellets, into the demistance but merely dilations of the combanes.

through the gullet into the mouth. After a and so on to the end.

The condition of food, therefore, as to bulk and re-ascends into the mouth. solidity, is the circumstance which determines the cud ascending; arrest it by compressing the the closure or opening of the demi-canal, and gullet, and it rapidly descends again into the which, consequently, regulates its passage into stomach; hence the phenomena of re-mastication the first and second, or third and fourth copart-can readily be demonstrated, ments. For example, if a cow be fed on thin, In view of confining this article to the limits washy diet, needing no re-mastication, it will pass prescribed by journalists, I now refer the reader on to the third and fourth. This is the ease with to a diagram of the cow's stomach, to be seen at a calf; the milk, which forms its nourishment, the office of this paper. pass s on to the true digestive stomach, the aperture leading to the first, second and third, being contracted from a narrow, undivided tube, which constitutes the demi-canal.

or decrease these functions; but their primary quantity of water, much of it passes into the first and second copartments; and the same is true of fluid medicine; when forced down in a to cattle in the form of a ball, or bolus, for it is almost sure to break through the pillars of the cattle, and such must be poured down the œsophagus in a slow and careful manner.

phenomena of rumination; this will afford the injury to its qualities. most convincing argument to meet any sceptieism that may arise as regards re-mastication.

The best subjects for demonstrating the compound act of mastication and rumination, are animals with long, lean neeks, such as the giraffe, camel, lama and dromedary; but in ordinary cattle, not overburthened with muscle or fat, there is no difficulty in the way. For example: let a person stand on the left side of the animal, in the region of the neck, (supposing the latter to be in quence; while inland cities, which a few years the ruminating mood.) He perceives the end reascend through the gullet and re-descend again have suddenly awakened to life and energy. The into the stomach. At the period of re-ascension, place the ear in the region of the gullet, and a gurgling sound will be heard, different from that accompanying re-descension. the action of rumination.

Finally, the end can be made to ascend or desecond mastication, the same process is repeated, seend, in the following manner: we perceive the and descend, now grasp the gullet firmly, and it We next perceive

NUTRITIVE QUALITIES OF MILK.

In the Medical Convention, lately in session at From this fact, I contend that a ruminant has Philadelphia, Dr. N. S. Davis, of Chicago, preno power, as some persons suppose, to give a cersented a report on the nutritive qualities of milk, tain direction to food and lodge it in any part he and also on the question whether there is not chooses. The whole function of digestion is in-some mode by which the nutritive constituents of voluntary, and is governed by that same power milk can be preserved in their purity and sweetwhich causes the heart to pulsate; expands the ness, and furnished to the inhabitants of cities in lungs; secretes bile, pancreatic juice and urine, such quantities as to supersede the present dewithout the aid or consent of the individual. feetive and often unwholesome modes of supply. We may, however, to a certain extent, increase The report says that when railroads were opened into the interior of the country, it was said that operations are uncontrollable by us, simply be-milk would be furnished to the residents of cities cause they are involuntary. It is probable, how- in the purity that it was found on farms, but a ever, that when the animal is imbibing a large sufficient time had elapsed to demonstrate that such is not the case. The conveyance of the milk from the farm to the cars, the transit on the railway, and the time lost in its delivery throughout rapid manner, it goes the same route, instead of the city, it was clearly shown, had the effect of passing, as it should, into the true digestive cave making it unfit for the nourishment of a child. ity. Remember this, ye who drench cattle. Re- During the past half century, experiments had member, also, that medicine must never be given been made with a view of preserving milk in its pure state; yet it was but recently that a discovery had been made, by a gentleman in New canal and fall into the paunch, and perhaps do York, which was to evaporate the water and mix more harm than good; to say the least, its op- with it white sugar, which rendered it what is eration will be uncertain. Hence it follows that termed solidified milk. In his practice he had fluid medicine is best adapted to the diseases of used this improved milk for the nourishment of infants with the most gratifying results, and after having kept it for three months; and he knew of Now let us see if we understand the sensible its having been kept twelve months without any

> The Course of Trade.—According to the Louisrille Journal, that city is entirely run round by the recently constructed railroads through Ohio and Indiana. The course of travel and trade has left the Ohio river, and all the important cities-Cincinnati not excepted—are suffering in consesince had nothing but a sleepy future in prospect, Journal says :

"We know of no other city in all this vast The action has Union that is just now suffering so much injury been described as undulating-alternate-coming from the effects of the superior enterprise of and going like the motion of a ship; but this is other communities as Louisville. The construcregulated by the respiratory movements and dif-tion of numerous railways in every direction, ferent attitudes of the body. We can, however, North, East and West, while none have been at the moment of re-ascent, perceive a flank move-built South, has had the effect to divert both ment, deep inspiration, succeeded by rapid ex-travel and trade from her, and no effort worthy piration, showing conclusively that a powerful of respect has been made to counteract this tennervous concurrent force—involuntary—controls dency. Cincinnati has also been a sufferer from the injurious influences of the network of rail-

have had the sagacity to perceive the evil; and to remedy it, propose to extend railroads to the South, which will give to Cincinnati a decided trade in that direction.

LOOK TO YOUR BEES.

There is no part of the business of the farm which has in itself a higher or more pleasant interest than that of bee-tending and the production of honey; but in order to realize this pleasant interest, there must be a certain degree of in advice to the farmers, the burden of which is knowledge of the nature and habits of the insect, and of what kind of a home and accommodations should always be given with a caution. Farmers it needs in order to facilitate its labors and find a have a mania of the plowing and sowing order, profit from them. These will require some expe-which propels them sufficiently in that direction rience, some reading and a good deal of observation. About all we can do in a newspaper artiele is to call attention to the subject, and make a few general remarks.

the great destroyer of the bee, and such is the fact, but not primarily—there is a serious existing difficulty before the miller begins its depredations, the swarm itself is weak and declining. Clean and well-fed cattle in good condition, are of American farmers. We need more and better seldom annoyed with vermin, nor do we be-lieve that perfectly healthy fruit trees are often how till thoroughly and send again; and it must attacked with borers; it is the already diseased, be confessed that a large portion of our grazing or neglected, in both eases, that become the suf-lands are less productive than they might become. ferers. The miller has the sagacity like an able But when fields conveniently situated and adapted general, to approach where it will meet the least to general tillage are once "broken up," they resistance; it then enters the citadel, quietly encircles it, saps the foundations and destroys it.

Our first suggestion, then, is, in the words the of either grass or grain. with which we began-"Look to your Bees"-if they are weak you must unite two colonies and is utterly disproportioned to the ground under make them strong, or if they are already molested, dislodge their enemies, and let them have a fair chance for life and labor.

opportunity for examination without disturbing of poor crops seems to indicate that we are althe bees; if the moth is at work, or if the hive ready abundantly enjoying the fruits of our imneeds cleaning or repairs, it can be seen and the providence. I am warranted in saying that all our evil corrected. With the old-fashioned hive, lit- half the land now employed. tle or nothing can be done, but occasionally to thus its weakness is perpetuated. We want them early, for,

"A swarm in May, is worth a load of hay; A swarm in June, is worth a silver spoon; A swarm in July, isn't worth a fly."

Have hives prepared for the new-comers, and swarming and show a disposition to leave, sprin- Rural New-Yorker.

ways that have been spread out on the North be-kle them with the aid of a large syringe or in tween that city and the lakes. But her citizens any other practicable way, and if the water reaches them they will soon light.

But we earnestly recommend to all apiarians advantage in competing with Louisville for the and lovers of these interesting insects, the eareful perusal of Langstroth's work on bees, where he will find more valuable information and directions for their management, than it is in our power to give.

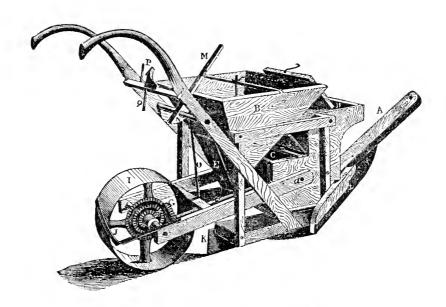
THE PRESENT CRISIS.

The political and miscellaneous press abound "sow and plant all you can, that the wants of the people may be supplied." Such advice, I think, without foreign aid. High as are the prices for grain, they are less exorbitant, if possible, than the prices for butter, cheese, meat, &c., the product mainly of hay and grass. It is quite as necessary that we should now look to a good sup-The common idea is, that the moth-miller is ply of grass as of grain. Milk, as an article of diet, is not sufficiently appreciated. A good supply of milk and of dairy products depends essentially upon a good supply of grass, and the same may be said of beef and mutton, and even pork.

Plowing and sowing too much is the great fault plow, till thoroughly, and seed again; and it must are, as a general rule, allowed no rest till the vegetable mould and the elements of grain are so nearly exhausted that they will produce very lit-

The amount of fertilizers applied to our land cultivation, and the labor is as seanty as the manure. We are bringing so much virgin soil un der cultivation that it seems almost impossible that we could "use ourselves up" for a genera-Hives should be so constructed as to afford an tion or two to come, but the frequent recurrence

My advice in the present emergency is this: destroy a swarm and take the honey. A weak Plow and sow no more, and in many cases less, hive will swarm late, and in that case it scareely than usual. Find out by reading and observation has time to collect a winter's stock of food, and the best methods of tilling your land, and adopt them. Procure the best tools, and an abundant supply of labor-saving implements. Secure plenty of help. Work your ground thoroughly and in many cases ditch it without delay. At all hazards, and at any reasonable cost, be up with your work. Exterminate all weeds. Save, procure and apply to your land whatever will enrich it. Let all the slops of the house be used for watering the garden. everything in readiness for their recept on when Let all the villages and cities be ransacked for they come out. If they seem uneasy when about food for plants. Be diligent and trust Providence.



WOODWARD'S IMPROVED SEED PLANTER AND MANURE DROPPER.

above the engraving and description of another State and County Fairs where I have presented it, labor-saving implement. We have examined, but Fair in New York. not used it; it seems to be constructed on correct principles, and has been used for several years in the western part of the State. The inventor's description is as follows:-

"These labor-saving and profit-yielding machines are presented to the public, as being of much greater utility than any other implements ever presented for saving of labor and increase of Corn, broom-corn, carrots, and other small seeds, may be planted and cultivated with less than one-half of the expense of the hoe, and in the most perfect manner, removing coarse substances nine inches each way from the line of the row, smoothing and pulverizing a strip eighteen inches wide, in the centre of which the plow on the seed is dropped while the ground is moist, causing it to swell immediately, and being covuniversal satisfaction. More than two hundred growth of both. have been sold in Hampshire and Franklin coun-

Anxious to lay everything before the reader (a medal and diploma) at the great trial of agrithat will tend to facilitate his labors and enable cultural implements at Geneva, N. Y., in 1852; him to realize a large return for them, we give it has also taken the first premium at all the and in many other places. Also, at the World's

COMMON THINGS.

In raising vines from cuttings, those which are furnished with two eyes each will be sufficiently long for the purpose; the lower part should be planted singly in small pots filled with good mold, leaving the upper eye rather below the surface than above it. The pots should be placed either in a stove or in a hot-bed, allowing the plants room as they advance in height, and shifting them into larger sized pots when they have filled the first with roots. As the season advances they may be removed into the stove and other hothouse, and from thence to the greenhouse, keepthe under side cuts a channel at any required ing them neatly tied up to sticks, and allowing depth, making the earth still finer, into which them plenty of air, to prevent them from being the good is drawn and allowing the send is drawn. drawn up weakly. Vines raised from single eyes require the same management as those from cutered of equal depth, it comes up from one to three tays sooner than when covered with the hoo, thereby getting a start of the weeds. It plants in the hill or drill, depositing any suitable number from cuttings, as well as these should be kept under glass throughout the summer and a index glass throughout the summer and glass throughout the of grains at almost any given distance. Ten dicions application of liquid manure during the horse. When properly made and used, it gives growing months, would considerably promote the

Cauliflowers.—The seed should be sown now ties. Plaster, lime, ashes, bone-dust, or any other for the antumnal crop upon a gentle hot-bed. dry fine manure, the machine can drop upon the This sowing will come in during August, and for seed before it is covered, from one to forty bush- a later crop the seed should be sown the beginels to the acre. It was awarded the first premium ning or middle of May; this will furnish heads

Gardeners' Chronicle.

DUTIES OF THE FARMER TO HIS FAMILY.

Family," he remarks,

hand.

strength and powers of endurance. Now, I would sheds sunshine through your dwellings. not recommend that you should get every new strength as much as possible.

The mistress of the family has many things in advances in knowledge, and the comforts and conthe care of her children, and in the labors of the veniences of life increase, the standard of edufamily, to exhaust her strength, and to try her cation must be elevated from generation to gener-feelings, and the good wife will not fail to appretion. It is not enough that your children are easte all the arrangements you may make for instructed in those things that you learned in the

in October or November. If some of the plants The man who loves his wife, and wishes to make of this last sowing be taken up and laid in like his home a happy one, will regard her feelings, Broccoli, they will be more secure in case of cold, and never subject her to mortification or degradawet weather occurring at the end of the season .- tion. Nature has implanted in the heart of every woman a desire to appear well in the eyes of others; this desire should never be contravened unless it oversteps the bounds of propriety, but should be indulged so far as your means will justify. It is associated in her mind with the Dr. J. Reynolds recently delivered a lecture feeling of self-respect, which is one of the best before the Concord Lyceum, upon the "Duties of safeguards of virtuous character. Never by un-Farmers." We propose, with the Doctor's con-remitting toil, render that fair and blooming sent, to present to our readers some extracts from and harsh, and cause that beautiful, active and this lecture. Under the head of "Duties to his symmetrical form to become bowed and crippled and distorted by incessant drudgery. Remember "Order and neatness are among the marks of that woman is not endowed by nature with the good farming. Where these are wanting in the same muscular strength and power of endurance, arrangements about the house and farm-build-that she has given to man. Her strength consists ings, they will be wanting on the farm. The far- in her weakness, which appeals to you for supmer is bound to train up his family in good hab-port and protection, and in her beauty and genits, and habits of order, by which everything tleness, which appeal to your love and affection, shall be kept in its place, and everything done in And in all the arrangements of the household, its proper connection, and habits of neatness you should remember that the duties of woman which shall lead to the instant detection and remember to be accomplished by muscular power moral of every policy of the control of the contro moval of every nuisance, are among the good and brute force, but rather by skill, by tact, habits in which children should be trained from their infancy. The health, the comfort and the tent of his family demand this at his cilities and aids supplied to her. Thus will her band strength be spared, and her time saved for the cul-Among the provisions which the farmer should tivation of her mind, for the instruction of her make for his family, are all those arrangements children, and for the performance of those gentle and utensils which are calculated to save time charities, that so peculiarly adorn the female charand labor and strength. There is much hard acter. And how much more cheerful, aye, and work to be done in the family of the farmer, and successful too, will be the labors of the field, when on certain days, and at certain seasons, the females are tasked to the full extent of their happy wife meets you at the threshold, and

Another and most important duty which the pattern of cooking-stove, or washing machine, or farmer owes to his family, is to supply them with churn, that you may see advertised in the news- the means of moral, intellectual and religious papers. But I would have you keep those that culture. Let your children be trained from you have in good order, and in a condition al-their earliest infancy to be affectionate, kind, ways ready for use. Have them in a convenient obedient, truthful, industrious, and as fast as place, and so arranged as to save steps and their intellect is developed let it receive appropriate culture. Never grudge the cost of books, Provide for the happiness of your family. Many periodicals or papers, or taxes for the institutions little attentions to their comfort, and arrange of learning. Money paid for the instruction of ments by which their labors may be facilitated, your children is the best investment you can contribute much to promote their happiness. make for them, and remember that as the world her relief, and will amply repay you by her schools of your boyhood. They must be taught cheerful smiles, and increased patience and sweet-those things that you now, in your manhood, feel ness of temper. Never require the females of the family to do all know, a great revival of interest in the cause those things which properly belong to the other of education, within a few years past. Catch this sex. They should not be required to split the spirit that now pervades New England, and let it wood, or even to carry it into the house; to enter into all the arrangements for the education shovel the snow from the clothes-yard, or to of your children. But I must cut short my resweep the paths and alleys around the house, or marks upon this copious theme and will only add, carry pails of food to the hogs, or dig the potations for dinner. Many a farmer's wife has been, and now is subjected to drudgery of this sort. land, are greatly indebted for our worldly pros-But it is to be hoped that the days of such ser-perity. Teach your children to reverence the savice are nearly ended. All such labors should be cred word, to remember the Sabbath day, and to considered a part of the daily business of the do to others, as they would that others should do farm, and should be attended to in their season. to them; and never forget that in all these respects, your own example is the most efficient teacher, and that the lessons they are thus us at five cents, as estimated by practical growtaught, will make the deepest impression upon their minds."

EXTRACTS AND REPLIES.

CALVES' TAILS AND WIND SPAVIN.

Mr. Editor: - Does it benefit ealves to cut off their tails? (a.)

Can you tell the cause and cure of wind-spavin on horses' legs? (b.)

Will you, or some of your correspondents, answer the above? L. B. Pettingill.

Weston, Vt., May, 1855.

Remarks.—(a.) The cutting off of the tails of calves or eattle is a cruel and barbarous custom, conseived in ignorance, and the practice is contin-Manchester, N. H., a box of apples which he calls ued because our fathers did it. It disfigures the the Red Russet-and the name is appropriateanimal, and subjects it to annoyance and suffer- which are now this tenth day of May, as hard, ing from insects in the het season. So the old plump, and fair probably, as they ever were. and foolish notion prevails that cattle have the The color is a dark red, but bright on the sunny tail sickness, that the end of the tail becomes soft, side, and covered with minute grayish dots.

lent exercise, too; one of them may frequently The tree was called an old one forty years ago. be seen on the inside of the hock at its bending, considerably increased in size. Spayin is of two kinds, bog-spavin and blood-spavin, and is difficult to cure. A close bandage continued for a long time, will sometimes effect a cure, but if the horse has a hard pull again it is apt to return. Bleeding is resorted to by some, but is a dangerous and not often successful remedy. We would recommend frequent bathing of the enlarged parts with very weak, cold, arnica water, and to give the animal fair treatment, both in the carriage and in the field.

But preventive is better than cure. Spavins are usually the evidences that the horse has had sheep and lambs without injuring the animal? a hard master—but not always.

Mr. Editor:—I am a constant reader of the Farmer, and have had an eye, and some years a hoe, to the hop business for more than twenty

I have the Farmer of Feb. 3, in which you state, in answer to "Culture of Hops," that the cost of raising and curing a pound of hops is about five cents. The hop folks of this county must disagree with you as to the cost of hops per pound. Your remarks agree with my own views. hops cannot be afforded less than ten or twelve smoke among them. cents per pound, at the least.

Remarks.—The cost per pound was stated by ers in this and other States. The cost must, of course, vary according to circumstances, as value of land, location, labor, the amount of manure required, &c. We do not think the business profitable when the prices are less than ten or twelve cents per pound. The price has averaged more than fourteen cents for the last fifty years, at times, however, falling so low as six or seven cents, and once as low as five cents per pound, at which it is a losing business.

RED RUSSETS.

We have received from Hervey Tufts, Esq., of and the only cure is to chop off the end of that They are of medium size, stem slender and about useful and graceful appendage, leaving an un- an inch long, calyx small and in a shallow basin. sightly stump which any cow would be ashamed They have a pleasant, sprightly flavor, and we to wear, even if her owner is not ashamed to see should pronounce them, judging from the specimens before us, apples worthy of extensive culti-(b.) Spavin is occasioned by straining the ten-tion. We should be glad of a few of the scions. dons or little vessels which contain a liquid or The tree upon which they grew is a very old one, mucous to enable the tendons to slide over each supposed to be a seedling, and is on the farm of other easily. These vessels are enlarged by vio-S. W. Mansfield, Esq., of New Ipswich, N. H.

WHITE THIMBLEBERRY.

Mr. Editor: -Knowing you to be interested in all matters pertaining to horticulture, and seeing an inquiry in one of the Farmers, in regard to the white blackberry. I would announce a new fruit of which I claim to be the originator; it is the white thimbleberry; if you, or any of your correspondents, have ever seen any of this excellent fruit, I should like to know it.

A READER OF THE FARMER. South Reading, May, 1855.

TICKS ON SHEEP.

Will you tell us the best way to kill ticks on A Subscriber. Deerfield, N. H., 1855.

Yes, sir. In the first place keep the sheep in healthy condition by plenty of good food, say clover hay cured with the leaves on, a few turnips, beets or carrots cut fine, and an occasional feed of grain or beans,-allow them a free choice to remain under cover or to go out doors as they please, and then, if they are infested with ticks, put a little yellow snuff close to the skin on various parts of the body, or a little linseed oil, but do not use spirits of turpentine or mercurial oint-About twenty years ago, I sold my hops in Mon-ment only as a last resort. There is an ingenious treal, for two years in succession, at six and a little article for sale to fumigate or smoke the half dollars a hundred. We think here that sheep and kill the ticks by blowing strong tobacco

BOILING WATER ON FRUIT TREES.

Mr. Editor:—Can you tell me anything of the effect of boiling water poured around the Groundnut or Indian Potato? Has any attempt roots of choice fruit trees! A lady from New ever been made to cultivate it, and with what Jersey, who is much interested in horticulture, success? Is it not possible to improve this "child says, if poured over the roots of the cherry tree of mother earth" by care and culture so as to in spring, it destroys the germ of insects deposit-make it a valuable root? ed there, and makes the tree fruitful. I have never seen the experiment made, but I once rather mischievously poured a pailful of boiling water over the roots of a large grape vine, which had shaded the window inconveniently for many diamond-footed subsoil plow is probably the best years, without yielding fruit, for the purpose of now used. destroying it; and the result was, that it matured fruit that season, and continued to, for

how much may be applied with safety?

East Charlemont, May, 1855.

evidently from one of our numerous female readers, who are becoming interested in what relates to the garden and farm. Hot water poured upon the roots of peach trees will prevent the curl of the leaf, and rejuvenate the whole appearance of the tree. We have never tried it on plums or cherries, but it is not clear to us why it would not be as beneficial to either of them as to the peach. Apply it in April.

HEMLOCK TREES-AGRICULTURAL IMPLEMENTS.

Mr. Editor:—In answer to the gentleman at Gilford, N. II., upon peeling hemlock trees, 1 peel them. My reason is this; all hemlock trees, ean from the farm itself. as far as I have noticed, when blown down, if the roots are part of them fastened still in the ground, peel better than those which are broken off entirely. I suppose the circulation of the sap outlet of an aqueduct where there is 60 feet fall, commences in the spring, and is by the remaining roots carried to the body of the tree, while those broken off have no roots from which the tree may derive san.

Will you please ask those who advertise agricultural implements in your paper to write the price with the advertisement, and oblige many of your readers.

Campton, N. H., 1855.

AIR IN WATER PIPES.

A. S. Worthen, New London, N. H.—Is the upper end of your pipe below the surface of the water in the well? If not, the air is drawn in until it is forced through the entire pipe. When amount of twenty-five thousand dollars. the pipes are below the water, a chemical action by the water on the pipe generates a gas, which, tion will commence in the month of October. in many cases, has the same effect as common air. I have frequently been obliged to use a force sibly get into the pipes.

PROF. TINKER, P. J.

Plumberton, Vt., April 20, 1855.

POTATO ONION.

GROUND NUT, OR INDIAN POTATO.

Can any one give information concerning the

SUBSOIL PLOW.

To J. G., Northumberland, N. H.—Prof. Mapes'

GUANO FOR A SINGLE YEAR.

many successive ones.

If it is useful, at what season is it best, and upon a corn crop to the best advantage for this year. I intend to plant some eight or ten acres of river-land to corn; the soil is a deep, sandy REMARKS .- The above inquiry and remarks are loam, and is inundated every spring. I have no manure to put on it. The land has been previ-R. HARRIMAN. ously pastured.

Henniker, N. H., 1855.

Remarks.—We saw a field of land similar to that described above, manured with guano, 300 pounds per aere, on two acres, and on two adjoining acres fifteen ox-eart loads of good manure applied; the result was 56 bushels of good corn to the aere. We have no doubt you may succeed in securing a fair crop for a single year with the guano, perhaps longer, but it is rather at variance with the true principles of the science that you should for successive years. The farmer's should say let them alone, till you are ready to prime object must be to collect all the manure he

HOW SHALL I SOLDER?

Query-I have a pipe case to attend to at the and it is impossible to get at the upper end of the pipe to stop the water. I wish to solder a pipe, to extend the main line four rods further. It is impossible to solder where a drop of water is pressing out. Will some brother tinker give me the answer?

BOSTON VETERINARY INSTITUTE.

We are glad to learn that Dr. DADD has succeeded in obtaining a charter to incorporate the Boston Veterinary Institute. The corporators, and their associates, are invested with University and partially prevents the passage of the water powers, and permitted to hold property to the

We learn that the first session of this institu-

A prospectus will soon be issued, so that the pump to remove this gas, when no air could pos- public may be informed of the objects of this novel enterprise.

Dr. Dadd.—The attention of the reader is called to an article in another column, upon the subject of re-mastication by our neat stock. Dr. Dand has kindly permitted us the use of an ex-Thanks to a "Subscriber," at Nantucket, for pensive diagram, for a short time, which hangs a box of the potato onion. We shall plant them. in our office, and may be examined by the curious.

For the New England Farmer.

THE WINTER IN CANADA.

A long and severe winter has just passed, and perhaps a summary review of the weather in this 11th the range was 80°. vicinity may not be uninteresting to New England readers. Cold weather commenced early in the 11th month, 1854. On the morning of the 5th, the mercury fell to 14°, and I learn by the New England Farmer that it fell to the same degree in the vicinity of Boston. From the 1st to the 4th, the range of the mercury was 40°, which was also the range for the mouth, the extremes place this winter, 10½ feet. being 54° and 14° .

With the 12th month, winter began to reign in reality. Snow fell every day of the first seven, and it was two feet deep in the woods. On the morning of the 19th, the mercury fell 18° below zero, and the 22d it was below zero all day. mean temperature from the 17th to the 23d, inclusive, was only 3.95° above. The mean of the 19th was 9°, of the 22d 8°, and of the 23d zero.

The 1st month, 1855, was milder, yet the mercary fell to 14° on the morning of the 25th, and we had some severe snow storms; not less than four and a half feet fell during the month. The 2d month, however, caps the climax of coll.

On the morning of the 5th, the mercury fell to 28°, which is lower than it had fallen here in twenty-five years; yet we were destined to experience a greater degree of cold than this. The 6th was the coldest day on record in this county. At 6 o'clock, A. M., the mercury fell to 38°, and the mean temperature of the day was 24½°. highest temperature of the day was 9° below zero. The extreme cold weather was not confined to this section of country, but it extended over a large area in this latitude. In Carroll county, N. II., a little south of us, and 400 miles east, the mercury fell to about the same degree. At Watertown, and some other places in the northern part of New York, it fell to 40°. At this place, the mean temperature of the month, at 6 o'clock, A. M., was 6.96°.

The weather in the 3d month was variable, yet its blustering reputation was fully sustained. had a great deal of wind, and some tedious days, yet the mercury did not fall below zero.

At the beginning of the 4th month, a great deal of snow lay upon the ground; but,

"At last from Aries rolls the bounteous sun,"

the snows dissolve, and earth, divested of her winter mantle, assumes her vernal robes. Sleighs were in use until the 5th. People began to talk of the certainty of a late spring, but the snow melted rapidly, and there being little or no frost in the ground, it dried fast, and at this time the season is as forward as usual. Considerable plowing has been done, and some grain sown. Grass starts finely, having been well washed by winter rains, and the greater part of winter grain looks remarkably well. 1 think the prospect for a crop is considered good.

Robins, black-birds, swallows and blue-birds, few wild flowers that are seen in the borders of

We have had some sudden changes in tempera-|four to each person.

ture during the winter. In the afternoon and night of the 11th, of 2d month, the mercury fell 50° in 17 hours, and in the afternoon of the 21st it fell 21° in four hours. From the 6th to the

The	mean	temperature	of the	11th month was	36.669
	64		4.6	12th"	20.40°
	44	44	66	1st"	26.660
	44	16		21	
	44	"		3d"	
	64	66	66	4tlı	42.11°

Total depth of snow which has fallen at this Bloomfield, C. W., 5 Mo. 1st, 1855.

For the New England Farmer.

A HOME PICTURE.

BY MRS. ANN E. PORTER.

An old man sat by the chimney side, His face was wrinkled and wan; And he leaned both hands on his stont oak cane, As if all his work were done.

His coat was of good old-fashioned gray, With pockets both deep and wide, Where his "specs," and steel tobacco box, Lay snugly side by side.

The old man liked to stir the fire. So, near him the tongs were kept; Sometimes he mused as he gazed at the coals, Sometimes he sat and slept.

What did he see in the embers there? Ay! pictures of other years; And now and then they wakened smiles, But oftener started tears.

His good wife sat on the other side, In the high-backed flag-seat chair; You see 'neath the frill of her muslin cap The sheen of her silvery hair.

She wears a "blue checked" apron now, And is knitting a sock for him; Her pale blue eyes have a gentle look, And she says "they are growing dim."

I like to call and tell the news. And chat an hour each day, For it stirs the blood in an old man's heart To hear of the world away.

Be kind unto the old, my friends, They're worn with this world's strife, Though bravely once perchance they fought The battle here with life.

They taught our youthful feet to climb Upward life's rugged steep; Then let us lead them gently down To where the weary sleep.

Letters.—The April number of the New York Quarterly Review has an article on "Post Office Improvements," in which it is stated that the Boston people annually average about thirtythree letters each; those in New York about twenty-four; in Philadelphia fourteen; in New Orleans about sixteen; and in Baltimore ten. came about the middle of the month. Larks are In the aggregate of the large cities of the United now singing their matin songs, and we have now States there is an annual average of about twenty a full choir of vernal songsters, which, with the letters to each person. In the country districts forests, serve to enliven the heart of nature's there are only about three letters annually to each person, and in the whole United States about

For the New England Farmer.

SMALL POTATOES.

Mr. Editor: -As it is now becoming neces-diseard theory, and determine the facts. s. p. ary to put potatoes into the ground, if a crop would be seenred for the next season, it is an important question at present prices, whether small potatoes will be fit for seed. On this, much has been written, as you know, and I presume much farmers on this question, and a large majority of will be, before it is settled, for every man will the opinions are in favor of small seed. continue to act on his views, and consider that

the only right way.

Many years ago my father began to carry on a farm. He was told he must plant large potatoes, so the best were selected for the field and secference in the result.

Some four years since, I took possession of a ceived. We must rememore that chemical prohouse in Connecticut. I found in the cellar cesses are generally very nice ones. A single step about a peck of potatoes, not larger then robins eggs, hterally. I took them into my garden to plant, and a neighbor to whom I had let a portion of the garden, fairly ridiculed me for it.

Rept to playing Farmers would perform this He planted only large potatoes without cutting But to plowing. Farmers would perform this experiment by weight, but I think these not with-face a little, and expect that the crop will be out value. I have to-day spoken with a farmer on tickled into smiles, this subject. He was rather in favor of large pocrops better for it.

the "depreciation" theory.

It is urged when good crops are raised from hauling mud? I think so; and therefore teel that,

small seed, that they would soon run out, if planted again. But who knows that! Are there any experiments to prove it? If not, let us

Remarks.-We have experimented ourself and collected the opinions of a great many excellent

For the New England Farmer.

PLOWING.

Mr. Editor:—From my boyhood up, I have ond quality for the table. He dug the next fall, heard that "faith" is essential to salvation, and about 100 bushels of potatoes, not one of which no serious farmer doubts it. But very few seem was large enough for the table. The next year to be aware how necessary faith is to good farmer. was large enough for the table. The next year to be aware how necessary faith is to good farm-these little potatoes, on the same land, produced ing. It is only through faith that most of us an excellent crop of good potatoes. After that avail ourselves of the teachings of modern science he kept the large ones for the table and the in regard to agriculture. Not one in a hundred smaller for the field. Nor can I allow that our of us can test the truth of the chemical doctrine. crops were inferior to those of others on similar laid down upon this subject. We are compelled land. We once planted on a bog meadow we to believe on trust. If some of "our order" were reclaiming, some small potatoes left of the have been too ready to believe, their disappoint-previous year's produce, and some assorted potaments and losses have arisen, not from their wiltoes purchased in Boston. We could see no difference be directed, but from their failing to follow carefully the directions which they re-Some four years since, I took possession of a ceived. We must remember that chemical pro-

In planted only large polatoes without carcing. But to plowing. Farmers would perform this in the row next my small ones, his having the important part of their work to much greater best cultivation. When we dug them, my small profit, if they would only settle it in their own potatoes showed full as many and as large as his, minds what plowing is for. From what I have last year I planted some assorted, and some sorted out; yield so nearly the same as not to be perturbed in the process of plowing as being to the earth what activity different. Now I have never made any appropriate is to the large. They someth the current. ceptibly different. Now I have never made any currying is to the horse. They scratch the sur-

With your leave, I will specify two important tatoes, but said he often used small ones, and for results produced by plowing; and, if my conaught he could see, with as good results. He jectures are right, your readers will perhaps be thought they might run out, as the seed was less induced to "speed the plow" with new zeal. In perfect,—a point which we will consider present-ly. He mentioned a farmer noted for his pota-toes, who cut his potatoes so as to put but six or seven bushels seed to the acre, and thought the This must be replaced; and how? We go into our meadows, and, at great expense, procure and So far as I have seen, the argument for large prepare meadow-mud. But cannot we do this seed seems rather theoretical than practical more easily! When we stir the earth, fermenta-There are certainly too few well conducted experiments to demonstrate the principle. We myriads of plants (cryptogamia) spring into life constantly hear men appeal to the imperfectness and become developed. We plow again; they of the small seed. To this the rot has also been perish, and upon their remains a higher order tributed. succeeds, and so on. Do you say this requires If we recur to the native growth of the pota-time! Not at all. Have you never seen those to, we shall find the tubers very small, and broad-brianned toad-stools, big enough, if they this is the natural and healthy growth of the were only beef-steaks, for an alderman's breakplant. Large potatoes are an artificial growth, fast, which spring up in a single night! The and are certainly no less in an unnatural condi-Lord knows whence they come; but they come, tion than the smaller ones on the same stem. If and they serve to show how rapidly, under ceranything the smaller potatoes are more nearly a tain circumstances, vegetable material is pronatural growth than the larger ones, and I can duced in the earth. If ploying stimulates the see no reason why these should not be planted earth to this kind of productiveness, is it not rather than the larger ones by the sticklers for much cheaper to restore the vegetable element in this way, than in the common one of digging and

by thorough and frequent plowing, I save more new root—it makes a bottom to work on, it prolabor than I expend. My second point shall be duces that herbage necessary to yield milk-not discussed at some other time. AGRICOLA.

For the New England Farmer.

GUANO vs. BONES.

sue is an article on guano, by Dr. Reynolds, in of that island. It is all folly to import fancy izer," and then says, "that his faith was still untithe difference was astonishing; and I at once say, diminished." In alluding to that article, I do if farming must pay the farmer must bear; then not wish the Doctor or others to consider me bis he is out of harm's way but not till then. Now, ased by interest or prejudice, but impelled by a Mr. Editor, as it is asserted that eleven million desire to benefit my neighbors, in whatever lati- of dollars' worth of guano have to be landed in tude I may reside. To me it is nothing new to the States in 1855, which to me appears worse hear the farmer complaining of guano, after the than worthless, cannot something he done to land has recovered from its state of intoxication, awaken people to a sense of their own interests? the result of a few dressings of guano and other There are made on an average in the States, 250,-chemical compounds; I should rather say villa- 000 tons of bones; some find their way to Engnous; for, if the Doctor was as well acquainted land, Scotland, &c., where the farmers know how with the dealings of manure merchants as I am—to estimate them; and the people of these States even though it be guano from the vessel's side—pay for imported fertilizers which will not comit would have saved the labor of writing instrue- pare with fine, pure ground bone only. If I were tions for mixing with rich garden soil and other Doctor Franklin, I should be inclined to be satirbodies.

must accord we had better feed our laborers and animals substantially and without stimulant. So with all nature, vegetable as well as animal; you cannot over-force; so far you can go and no farther; therefore you must turn to mechanical and manual, as well as chemical aids, to wrench from mother earth the utmost she will yield; the farmer must never forget that by the sweat of his spoonfuls of a compound will do the work for lish, or not, as you think best. him, he will certainly have more faith than farmers as a class generally have; they must give the earth something substantial to eat, something that will satisfy her wants; then the farmer will by pulls, interest and ignorance.

after dressing their land with ground bone? No. toes were not affected by the rot, and toads were I have seen thousands of acres dressed with them, more numerous; and he infers from that circumwhose owners were rich, happy and able stalwart stance, that both may yet be restored to their yeomen; talk to them of guano; "We have tried former position. Upon inquiry, I find that others it, but we want no more of it;" and I defy any have observed the same facts. Now, the quescone to say that he regrets boning his land. There tions are, has it been so generally? And what is something in it more than etherial, vaporish relation do they bear to each other? To me, the air. Sir, it is there for ten or twenty years if you only idea suggested, is, that the potato rot may want it; there is a satisfaction in the use of it, be occasioned by an insect, and that insect is unknown in any other manure; it brings out a poisonous, in the stomach of a toad.

to dry up the cow, as is now the ease. The use of bones on the dairy farms of Massachusetts would double the yield of milk, instead of increasing it one quart per day. This is no theory.

I refer you to the cheese districts of England, Ma. Editor:—In No. 8 of your estimable is to her eastern coast, and to the midland counties which he opens by saying-"That the failure of cattle on to the present herbage; no improved guano to produce the beneficial effects expected breed will flourish. The best milk in Cheshire, from it the past season, seems to have destroyed England, I have seen produced on a boned farm, the faith of many farmers in its value as a fertil- from small Welsh or native cattle; to have seen ical at the expense of the State Agricultural Soci-The first view of guano, in my opinion, is erro-neous; that a small quantity, a few spoonfuls to ing Virginia with ground bone and buying guano the hill, shall raise an unaccountable crop. In-for her own farmers, especially when the advanstances may be produced—exceptions, not rules. tage has over and over again been demonstrated. You may give your laborer alcohol; it will stim-|Should these remarks cause the Doctor or any ulate; you may give your cows distillers' wash one else to test the difference; bone—versus any-and browers' grains, but does the result justify thing else,—this time next year I am confident your, in that case, foolish expectations! No, all they will be converts to the opinion of

Yours respectfully Roxbury, Mass., 1855. HENRY KENYON.

For the New England Farmer.

TOADS---CHEESE---STRAWBERRIES.

Mr Brown:—I send you a few items upon difbrow he must earn his bread. If he thinks a few ferent subjects, which you are at liberty to pub-

TOADS, AND POTATO ROT-A SUBJECT FOR NATU-

The toad having become quite a favorite of reap a continuous increase. Experience and ob-mine, partly on account of its bright eyes, but servation convince me that until those require-more on account of its usefulness to mankind, ments are met, no land will yield to the wishes I have therefore noticed, with regret, that they of its owner or occupier. I have seen guano, su- have greatly diminished in numbers, for the last perphosphates, poudrettes, &c., &c. applied in ten or twelve years, in New Haven and vicinity; many districts with the same conclusions arrived indeed, they seemed to be almost exterminated. at, that head this paper, and now sum them up A few days ago, I was conversing with an intelas, one and all, a commercial speculation, kept up ligent farmer upon the subject. He said that at or near the time the potato rot made its appear-Did Doctor Reynolds, or any one clse complain ance, the toads disappeared; that last year, pota-

with most delicious cheese, of her own making. I asked, as a particular favor, that she would communicate to me her peculiar method of making it, and wherein she differed from others. She replied that she followed the method she had been taught generally, prepared the rennet in the same way, but felt sure that she had discovered the reason why cheeses were strong, both to the taste and smell, which consists in the single eircumstance of putting the curd to press, warm. She did not use any artificial means to cool the curd, but after it had been chopped and scalded, allowed it to remain spread upon the cloth until it was as cool as the surrounding atmosphere, and thus put it to press.

There is a great deal of probability in the above statement, for I have frequently noticed that some cheeses from the same dairy would be strong and offensive, and others mild and agreeable, which may be owing to the circumstance of the dairy-woman getting her cheeses to press early some days, and being hindered others, until the eurd had time to cool. It may be well for dairy-women to try the experiment so as to ascertain the fact.

ON THE CULTIVATION OF STRAWBERRIES.

Much has been said, and written, on the culture of strawberries, and yet, all has not been said, so I contribute my mite, which is on the proper substance for renovating the soil. Some fifteen years ago, my late husband was cultivating strawberries to a considerable extent: one season, the fruit on a favorate bed was small and of inferior quality, evidently occasioned by exhaustion of soil, and the bed was marked, to be broken up the following spring; but when spring came, the plants came up finely, and the bed being pretty free from weeds, it seemed a pity to destroy it. So he looked about for some suitable substance for renovation, but not having any properly prepared compost, from principles of neatness he applied a light top-dressing of wood ashes. Much to our surprise, the fruit from that bed was larger and better flavored than any in the garden. It was his custom, whenever he discovered effect, to seek for the cause, and he came to the conclusion that ashes was one natural substance to stimulate the growth of strawberries. Every farmer must have observed, with what facility the wild over-dose, as we found, by sad experience. For suit the taste. one season afterwards, a fine bed ran most expreparing the soil for receiving the plants, is to manure a piece of grass ground well, with stable hour and a-half; serve with melted butter, and a giving the core of grass ground well, with stable hour and a-half; serve with melted butter, and a giving the core of grass ground well, with stable hour and a-half; serve with melted butter, and a giving the core of grass and two girls are two grass and two grass and two grass and two grass are two grass and two grass and two grass and two grass are two grass and two grass and two grass are two grass and two grass are two grass and two grass are two giving the corn a liberal supply of ashes during of April, to the first of May, is the best season make small paneakes, beat a couple of eggs for setting the plants here. With ground thus thoroughly, and add sweet milk. Then take a

prepared, and with good cultivation, and an occasional light top-dressing of fine compost and wood the country; her table was continually supplied ashes, beds may be kept in good bearing from 4 to 6 years. The best general method for cultivating on a large scale that I know of, is to follow the principles recommended in Cole's Fruit Book, except that we could never make the cultivator work to advantage in clearing the beds. Hoes, knives, rakes and human hands have been our only implements. It must be remembered that the soil of New Haven, is a light sandy loam.

Mrs. N. Darling. Respectfully, New Haven, Ct., May, 1855.

LADIES' DEPARTMENT.

DOMESTIC RECIPES.

Indian Muffins.—A pint and a half of yellow Indian meal sifted. A handful of wheat flour. A quarter of a pound of fresh butter. A quart of milk. Four eggs. A very small teaspoonful of salt. Put the milk into a saucepan. Cut the butter into it. Set it over the fire, and warm it until the butter is very soft, but not until it melts. Then take it off, stir it well till all is mixed, and set away to cool. Beat four eggs very light; and when the milk is cold, stir them into it alternately with the meal, a little at a time of each. Add the salt. Beat the whole very hard after it is all mixed. Then butter some mushin-rings on the inside. Set them in a hot oven, or on a heated griddle; pour some of the batter into each; and bake the muffins well. Send them hot to the table, continuing to bake while a fresh supply is wanted. Pull them open with your fingers, and eat them with butter, to which you may add molasses or honey .- Farm Journal.

Best Bread.—The best bread is that made of unbolted wheat flour. In some cases a small portion of white bread may be desirable, but the brown, after a short time, will be found more palatable, and conducive to a more regular and healthy condition of the system. It has been ascertained that even dogs cannot live over fifty days fed upon fine flour bread and water; when fed upon such as contained the whole or a large portion of the bran, they are found in no respect to suffer .- Water-Cure Journal.

To Make a Corn Cake Worth Eating.—Take strawberry takes possession of his fallowed the whites of eight eggs; one-fourth pound each grounds. It is not my intention to set every- of corn starch, flour and butter; half a pound of body to covering their strawberry beds with ashes sugar; one teaspoonful of cream of tartar; half indiscriminately, for there is such a thing as an teaspoonful of soda. Flavor with almond, or to

Spotted Dick.—Put three-quarters of a pound those few grew enormously large, but, for three following years, it bore remarkably well, with half ditto of currants, two ounces of sugar, a comparatively little attention. The best mode of figure in the soil for many the soil for mode of figures.—Put three-quarters of a pound those few grew enormously large, but, for three comparatively little attention. The best mode of little cinnamon, mix with two eggs and two gills preparing the soil for mode in the soil for mo

NICE PANCAKES FOR SUPPER.—These are made the season. The spring following, it will be in of eggs, flour, and milk. The just proportions fine condition for strawberries; from the middle are one table spoonful of flour to each egg. To

thin paste and ductile batter by adding the milk edge there is always a way. and eggs, and a little salt. Grease the pan with a piece of sweet lard or butter, and stir briskly lawyer, to be sure, but the war of the Revolution to prevent adhering to the bottom. When the was just over, and times were very unsettled. under side is sufficiently browned, turn it. Leave There was very little work for lawyers to do. the cakes folded, with sugar or honey and butter Still Mr. Webster was determined to do somebetween the folds, or sugar alone. If this is thing. He taught a classical school in the State found to be too solid, add more eggs, and use less of New York. Here he saw the need of good elflour. A slight sprinkle of grated nutmeg will ementary school-books. There were none in the be an addition.

BOYS' DEPARTMENT.

NOAH WEBSTER.

Every American boy and girl is, of course, acthis work supported him while he compiled the quainted with the name of Noah Webster. His great work of his life—his celebrated dictionary. spelling-book has made his name famous in every spelling-book has made his name famous in every We cannot follow Mr. Webster in his career school-bouse from Maine to California, and his as publisher and writer, because it would not in-

Noah Webster was a Connecticut boy. He

the colony of Plymouth.

what he afterwards became. proud of having great or wise ancestors, they do nothing to make themselves great or good. They expect to grow in consequence without effort.

Noah had too much good sense to neglect his own improvement. When he was fourteen years Little by little he pushed it forward, and thus old, he began to study Greek and Latin with a lived to see his work completed and published. right good will. Two years afterwards, he entered Yale College. While there, the war of tered Yale College. While there, the war of great, he must learn like him to toil slowly and the Revolution began, and young Webster shouldered a musket for a short time. But he soon quitted the field and renewed his studies, at the quitted the field and renewed his studies; at the expiration of his four years' course of study, he copy of Webster's unabridged. By studying it teachers.

Almost every one was tried in his affairs, and ilar qualities. Mr. Webster's father among the rest. Unable provide for himself.

will to work, and energy to overcome difficulties, eighty-fifth year of his age. He left a widow It was his wish to study law, but not having mon- and seven children. afterwards. Let boys remember this fact, and fully as did Noah Webster.

couple of table spoonfuls of flour, work into a learn that where there is a will to acquire knowl-

But his trials were not over yet. He was a country that suited his ideal, and he set himself, like a true genius, to the task of compiling them.

The year after, he published his spelling-book, grammar, and reading lessons. So popular did his spelling-book become, that thirty millions of copies have been published, and it is still selling at the rate of a million a year. The profits on great work of his life—his celebrated dictionary.

dictionary has given him a fame as widely spread terest you. I will only state a few facts to show as the English language. I think therefore that you how he made his dictionary. He probably my readers would like to know a little about his conceived the plan while at work on his spellingbook, but he did not give himself wholly to its production until he was forty-nine years of age. was born in Hartford, on the 16th of October, Then he devoted himself to it in earnest, and 1758. His father was a farmer, and descended toiled at it incessantly for twenty years. In orfrom one of the first settlers of Hartford. His der to render it the more perfect, he visited Engmother, too, came from a good family, her ances-land and France, examined the great public librator was William Bradford, second governor of ries, and conversed with the learned men of those e colony of Plymouth.

Thus, you see, young Noah had good blood in close of the year 1828, he published the first his veins. But that did not, of itself, make him edition of twenty-five hundred copies. In 1840, Some boys are having improved it considerably, he published

The construction of this dictionary was a gigantic task. What patience, zeal and persever-In such cases, however, in spite of all their ance Mr. Webster must have possessed, to keep good blood and noble ancestry, they usually himself so steadily at work upon one object for grow up to be either very little, or very bad men, twenty years! Only consider that he had to deor both. words! But he never knew discouragement. save his money until he is able to purchase a graduated with credit both to himself and to his he will get much wisdom. By viewing it as a monument of the industry and perseverance of its But the war made the times hard and difficult, author, he will be stimulated to strive after sim-

I am very glad to inform you that Mr. Webto afford his son any further aid, the old gentle-ster was a pious man. He loved God, believed man gave him an eight dollar bill, worth only on Christ as his Saviour, and lived many years a about four dollars in silver, and told him he must life of prayer. Hence, when called upon to die, he was not afraid. "I know in whom I have be-This was a small fortune, and if young Noah's lieved," said he, as he lay upon his death-bed, future had depended upon it, he would have "and that he is able to keep that which I have been poor indeed. But his real fortune was in committed to him." With these words he fell himself, as it is in every other boy. He had a asleep in Jesus, on the 28th of May, 1843, in the

cy enough to obtain regular instruction, he he- Noah Webster was tall and slender in his pergan to feach school, and to study law without son. He walked very erect, and his step was aid from others. So well did he succeed in doing light and clastic. I hope every boy and girl of this, that he was admitted to the bar two years my readers will live as usefully and die as peace-



DEVOTED TO AGRICULTURE AND ITS KINDRED ARTS AND SCIENCES

VOL. VII.

BOSTON, JULY, 1855.

NO. 7.

JOEL NOURSE, PROPRIETOR OFFICE QUINCY HALL.

SIMON BROWN, EDITOR

HENRY F. FRENCH, & EDITORS.

CALENDAR FOR JULY.

July, the month of Summer's prime, Again resumes his busy time; Scythes tinkle in each grassy dell, Where solitude was wont to dwell:

very insects on the ground, So nimbly bustle all around, Among the grass or dusty soil, They seem partakers in the toil.

JOHN CLARE.



ULY is an exceedingly important month to the farmer in several respects. It calls again for all his force and skill to secure his hay crop, the great New England harvest, perhaps not second in importance to any other. It is the month, too, upon which

another valuable crop in good measure depends,the golden maize, or Indian corn. This plant requires the frequent hoe, and the fervid suns of July. Indeed, all the crops which the farmer has committed to the

earth with so much pains, and which have sprung into healthy and promising plants, now require his constant care to protect them from insects and weeds, and keep the soil in a favorable condition to receive the rains and dews and atmospheric influences.

Summer has now fully come, and her "whole world of wealth" is spread out before us in prodigal array. The woods and groves have darkened and thickened into one impervious mass of tured sides, standing knee-deep in water: fishes sober uniform green, and having ceased to exer-fry in shallow ponds; pedestrians along dusty cise the more active functions of the Spring, are roads quarrel with their coats, and cut sticks resting from their labors, which we know so little to carry them across their shoulders, while every-

how to enjoy. In Winter, the Trees may be supposed to sleep in a state of insensible inactivity, and in Spring to be laboring with the flood of new life that is pressing through their veins, and forcing them to perform the offices attached to their existence. But in Summer, having reached the middle term of their life, they pause in their appointed course, and then, if ever, taste the nourishment they take in, and "enjoy the air they breathe."

Like the Woods and Groves, "the Hills and Plains have now put off the bright green livery of Spring; but, unlike them, they have changed it for one dyed in almost as many colors as a harlequin's coat. The Rye is becoming yellow and ripe for the sickle. The Wheat and Barley are of a dull green, from their swelling ears being alone visible, as they bow before every breeze that blows over them." The stiff and stately herds-grass, or as it is called in Europe, the meadow cat's-tail, sways awkwardly to and fro, while the graceful and silk-like red-top yields pliantly to every breeze, and the American cock'sfoot, or orchard-grass, with the sweet-scented vernal, meadow foxtail, rye, and other grasses, all mingling their varied colors, and presenting them as they sway in the breeze, afford a most lively and beautiful scene. The late Buttercup, Ox-Eye, Daisy and Red Clover blossoms are still in their prime, and give a charming appearance to the whole. But nothing can be more rich and beautiful at this season than a great patch of purple Clover, lying apparently motionless on a sunny upland, encompassed by a whole sea of other grasses, waving and shifting about it at every breath that blows.

Now a great many things are intensely Julylike. Cattle chew their cuds and lash their punc-

thing seen beyond a piece of parched soil quivers through the heated air.

The Garden still has its beauties—as it ever has seed, sow turnips. The old adage runs where it has received a considerate care,—but we cannot stop to particularize them now. The solemn woods are now inviting, where the Whetsaw, the Brown Thrasher and Cherry-wink, make them vocal with their peculiar notes. Boys read Izaak Walton with a new relish, and explore the brooks that take their courses through the meadows or dim woods, and throw the careful bait to the speechless trout in the dark water by the bank, or under some ancient and massive root. Silently as the panther approaches his prey, they move along—now stepping upon a bunch of moss, or a tuft of grass, for the trout's ear is as quick to note a footfall on the walls of his castle as an be a good plan to use the same piece of land for Indian's, put to the ground.

care of Stock, and the thousand nameless things enriching it with manure as free from seeds as it that press upon the farmer in July, leave him is possible to get it? If such manure is plentifully but little time for visiting or study; but there are applied in the fall, and plowed under 10 or 12 hours for good-nature and pleasant social inter-inches, there will be no complaint that the root course with one's own family and the neighbors, will not flourish on the same soil. Where the and, if rightly improved, will produce a crop as weeds do not come, carrots, beets, parsnips or valuable as the crops of the fields.

The Hoeing.—This important operation must not be neglected. The lodging grass, early in July, is a strong temptation to take the scythe in hand instead of the hoe—and it may be well to too much for seed, to omit the cultivation of a of it. erop that needs it. If he allows weeds to crowd and rot his plants, or a hard and repulsive sur-stony underneath, as all the land here is, alface to return to the skies unappropriated, the though it has been plowed a hundred years or so, fructifying dews which Heaven has in kindness The plowman doubted whether his three yoke of sent, he will not reap abundantly where he has small cattle could "put through" so large a plow, sown. It is among the first errors of the farmer, not to tend thoroughly the crops he has put in.

HAYING.—Grass cut in the morning, spread immediately, turned at noon, and cocked before the run with the same team to that depth-ten inches dew falls, will rarely need, in good weather, full,—and that no other plow with any team more than a mere opening of the cocks the second could do the work so well. The plow is Ruggles, day. A load of fence rails would be about as acceptable to a well-fed cow, as much of the herdsion, twice as much hay is spoiled by over-drying, as there is by not being dried enough.

Clover hay should be cut in the morning, lay in swath until four o'clock, then turned apside more, when it will be sweet, the leaves all reen by the cattle and prove highly nutritious.

Turnips.—In the course of the month, whenever the surface is sufficiently moist to start the

> "The 25th of July, sow turnips, Wet or dry "

But we have found that a moist condition of the surface had more effect in inducing germination of the seed than the day of the month. After considerable experience and a pretty extended observation, we are still of the opinion that the root crops may be cultivated by most farmers with a decided profit. The great cost has been in keeping down the weeds-otherwise they are not difficult crops to manage. They are easily got in, and may be cultivated with a horse or the wheel-hoe, without any difficulty. Would it not a succession of years for these crops, never allow-The Haying, the Harresting, the Weeding, the ing a weed of any kind to go to seed upon it, and turnips may be profitably cultivated.

For the New England Farmer.

DOUBLE PLOW.

Dear Brown :- I have to-day tried the soddo so for short periods; but no man of ordinary and-subsoil or double plow on the old home-means can afford to neglect his hoeing; it has cost him too much labor of himself and team, and periment I have witnessed with this implement,

> The land was sward, full of witchgrass, and and the boys have "picked rocks" on it annually. in such land, but he succeeded in finishing his stint of above an acre before night.

> Several judicious neighbors looked on, and our unanimous conclusion was that no other plow could Nourse, Mason & Co.'s largest size, No. 351.

The double plow is the thing for the hard and stony land of Rockingham County, not in new grass that is carried to the barn. It is spread in land, but in the common old fields. We believe the intense sun, and exposed to the wind till it is that no more team is required to draw it than brittle, juiceless and harsh as wire. In our opin-the single plow, and nothing can put the witchgrass out of sight, like it.

 ${
m Yours},$ H. F. French. Chester, N. H., May 19, 1855.

COAL ASNES FOR PEACH TREES .- Will those who down. The next afternoon gather it with a three-have not otherwise disposed of their coal askes, tined fork into cocks, and let it remain two nights place a half bushel around each of their peach trees, in the form of a little mound, and let it remain through the summer, as the best manure maining on the stems, and the whole will be eat- for the trees, and as a remedy for the borers. In the fall dig it into the ground.

HIGH PRICES, &c.

grain and flour. During our late war with Mexico, which was in operation from 1846 to 1848, I think it did not affect our prices of agricultural Another and great reason of the present high. and the productive arts.

is merely to make money less valuable, so that save all time to come, would it not be a good plan to none of it is given for articles of real value, as the gold here in the country to produce and rether products of the earth and of the arts." Now produce and pay its own way.

I do not see it just in that light. It may be true

But then, again, as to high prices of produce

suppose that all agricultural productions could be had at the same ratio at that time, then, of MR. Brown:—A leading article in your paper fifty cents then was worth as much as a dollar April 14 on high prices. No. has consed some Mr. Brown:—A leading article in your paper of April 14, on high prices, &c., has caused some is now. But was fifty cents in silver then worth reflections as to the cause of such prices as we now have and live under. That the prices are high, I admit—in most eases, higher than they and silver, "must always hold its relative value should be. But I have seen and lived through when measured by itself. In fact, it is the focus high prices before; in 1836 and 7, grain, flour, or standard where all real property terminates. pork, &c., were as high as they are now: though, and, of course, its value is fixed. So, in reality taking the round of agricultural produce as a I claim that you cannot make money any the less whole, it did not range as high then as now. valuable at one time than another, though you But then it is, or may be asked, what is the cause may have to give more gold for productions at of such prices? And, of course, the war in one time than another. But, then, "Wall Street Europe will be named as one thing, emigration and State Street" talk about money as being cheap Now, for one, I do not put so much stress on the war question' to make high prices as many will, though it may affect us some, indirectly, on business compels them to pay two per cent., &c. Of course, this means that them business compels them to pay two per cent.; but

produce materially any way, though we were a party and directly interested in that war as a nation; and yet it had the effect to draw away to pay for imported goods, manufactures, arts. Another and great reason of the present high a large number of our population from farming &c., which, in the main, we could just as well But what I consider to be one of the great built through your town, and five thousand dolumers of the present prize is the contract prize built through your town, and five thousand dolumers of the present prize is the contract prize built through your town, and five thousand dolumers of the present prize is the contract prize built through your town, and five thousand dolumers of the present prize is the contract prize built through your town, and five thousand dolumers of the present prize built through your town, and five thousand dolumers of the present prize built through your town, and five thousand dolumers of the present prize built through your town. causes of the present prices is, the constant drain lars worth of railroad iron is wanted to carry the of productive labor from all parts of the country, road through your place. Which is the better during the last six years or since California policy, to raise five thousand dollars and send to opened in search of gold. Of course we have England and buy the iron, or have the rails abad less producers and more consumers in shape of emigration, which emigrants do not produce at home? In the latter case, the five thousand the statement of the much in the first six months, but after that they (in California gold) is paid out to workmen in can make producers as well as consumers. Well, your own town. A gets a part, C a part, and I the consequence of California may be said that a part. It is all there among you; what one have had less produce and productions and not got, another has. But in the former case, it was the appropriate of the country and it is a matter of more gold, which is true to a certain extent, goes out of the country, and it is a matter of though I am not aware that many are overbur-elance whether any part ever gots back again dened with that "article" at present. But I am But the policy of the government appears to be not one of those who believe that a large influx to have the balance of trade against us all the of gold and silver into a country will, as a con-while, so that the United States appears to be the sequence, make high prices directly. Yet it half-way house," where the California gold might have the effect to stimulate all kinds of stops over night; next day it takes the steamer business, and so produce may rise in consequence. goes to Europe, and that is the last seen of it. But you say, in substance, "that an influx of Now, as it appears that we have got to have a gold, like an inflation of the paper currency, adds large share of European emigration now and for nothing to the real value of property.* Its effect all time to come, would it not be a good plan to its nearly to make more large valuable so that

I do not see it just in that light. It may be true that a large amount of gold laid down on a worn-out soil, will not improve that soil directly; neither can it produce improved scientific labor, if that labor is not to be found. Still, it can be made to produce the best labor at hand, and in that way the soil can be removated, and soon the productions on the soil will be worth as much, and more, than the original gold laid out. For instance: thirty years ago (or in 1825 say,) corn could be bought for fifty cents a bushel, and now it is worth from sixteen to seventeen dollars the ton. But to show that they had high prices for merly as well as now. I will copy a list of produce the best labor, in 1855.) Now, *An inflation of the paper currency means, of course, an for February, 1817, or thirty-eight years ago, and amassing of paper money, say four or five dollars of paper to these are wholesale prices; of course the retail one of gold and silver. But, then, as the paper currency is only the representative of money, the true standard of property comes were higher. "Bacon 15 cents per pound; bardown to the actual amount of coin in existence and circulation. ley, \$1.25 to \$1.50 per bushel; beams, \$4 to If this be so, then gold and silver, or coin, cannot mindate the \$4.50 per bushel; butter, shipping No. 1, 24, standard of property itself. So we understand it.

cents per bushel; coffee, 14 to 21 cents per pound; that when "they get a railroad from Mississippi Virginia coal from \$9 to \$15 per ton; flour, \$14 river, after the 'hard times' are over, (very well to \$15 per barrel; hay, \$21 to \$24 per ton; put in.) their produce will be worth more." molasses, 48 to 54 cents per gallon; peas, \$2,50 Also, the city of Oskalooza is only twelve years to 83 per bushel; rice, 7 cents per pound; rye, old, and yet they have 2500 inhabitants, with \$1.75 to 83 per bushel; sugar, loaf 23 to 25 cents merchants, stores, &c., furnishing every thing per pound, brown 11 to 15 per pound; teas, hyson for comfort that is wanted." This writer in the \$1.70, hyson-skin \$1, southong 68 to 75 cents Tribune further says, that "there is not one old per pound.

there was one then, or in that ratio. But then, last. again, we have three times the population to support now that we had then, taking emigration and all. Most of this, however, is productive labor in good times; but in hard times, like the present, much of it lies idle for want of employment. But, then, what is the remedy? For the earths—clay, flint, chalk, &c., are nothing But will they do it?

more capital on their lands; they must both been attributed to some "great convulsion" lay in manures, in labor, skill, &c. Still, my true or not, it is very certain that before any of experience has led me to see that, with the body these events could have taken place, the formation of farmers generally, they were no more ready to lay out capital in farming when corn was a dollar work of ages; otherwise the metals, of when the lay out capital in farming when corn was a dollar work of ages; otherwise the metals, of when the lay of the lay out capital in farming when corn was a dollar work of ages; otherwise the metals, of when the lay of th but lifty or seventy-five cents. What appears to pletely rusted as to assume an earthy texture. be wanting most among farmers, is a generel appreciation of the business as an employment; ical, that is, the geological theory, and enter upon the property of the property o the produce they can.

a few days ago, on the high prices of grain, says, passed into oxyds, as the chemist calls them, or in substance, that the lowest prices of corn that earths, as expressed in daily conversation. Chembe can find in the corn districts or the "prairies," ists thus recognize something like forty different is forty-five cents, and from that up to seventy-kinds of these oxyds or earthy bodies, some being your last paper, from Mr. Daniel Fay, dated Os-state; some, by contact with water, are so enerkalooza, Iowa, March 20, says, "corn here is getic that they burst into flame. worth twenty-five cents a bushel, wheat from By this process of reasoning, we come to the sixty to seventy-five cents a bushel, and pork from conclusion that the world is one mass or globe of two to three cents a pound." He further says, mixed metals, of which the mere crust has be-

dingy field in Connecticut but that can be made In this list of prices, I do not see any thing to produce wheat with more profit than at the that comes near it now except butter, which is west. The ground is here to hold the seed, and probably about the same now as then, at retail-- that is all that is wanted, for 'science' points out 28 to 30 cents a pound. I have heard tell that the proper ingredients to apply to make the grain, during the war of 1812, for two years molasses and any dollar so expended will pay back fifty was two dollars a gallon, and most other groceries per cent. a year," &c. Now this is all fine talk in proportion. This was owing more to the fact for outsiders, but, in plain English, there is no that all our scaports at that time were blockaded, truth, in reality, in one-half of the ideas, but a and, as these articles were mostly of foreign pro-mere ranting exaggeration of the subject. But duction, they could not be obtained scarcely at we recognize in this grambling writer in the any price. But this list of prices named above, Tribune one who, a few years ago, was on a was some three years after peace was declared, so prairie farm at the west. But why did he not the country had got pretty much over the war stay on the farm and raise grain, and help make question by that time. But then, with these high "cheap bread," instead of leaving and coming to prices thirty-eight years ago and the present high the city, to live in some six by eight "dog hole," prices, are the laboring people better off now than and join in the general line and cry about starvathen? Of course they are, and why? Because tion of the poor, high prices, nothing to eat, &c. they can earn three dollars as easy now as they Consistency has, in former times, been called a could two then. Probably there is two dollars "jewel," and I think there is something in it; in circulation now, throughout the country, where but it is a principle which we generally adopt L. DURAND.

Derby, Conn.

THE EARTH THAT WE WALK ON.

hard times and high prices, like the present, it more than the rust of metals; that at one time, will probably be a difficult matter to answer. during the age of this world, they were all One thing is certain; more agricultural production, brilliant metals. Geologists speak of tions must be raised, and, of course, more men the earth as being hundreds of thousands of years must turn their attention to cultivating the soil. old. All their philosophy is based upon mechanical science: the formation of strata, the upheav-And another thing is, farmers must lay out ing of mountains, the burying of forests, have learn to farm more and farm better; the present that is, to some shaking together of the earth's prices of farm produce will justify a liberal out-erust. Whether this great age of the world be and a quarter a bushel, than when it only brings their base consists, could not have been so comand when this can be fairly understood, no lack the primary or chemical theory. It cannot be of enterprise will be wanting on the part of far-disputed that the first changes of the earth's surmers to make farm improvements, and raise all face were of purely a chemical nature. Combinations took place then as now; the metallic bases, A grumbling writer in the New York Tribune, by mere contact with the atmosphere or water, five cents a bushel, while flour is from ten to very scarce, and others as plentiful. By the twelve and thirteen dollars and a half a barrel for merest touch of air, some of the metallic bases of the best in New York. Very well. A letter in these earths instantly pass into the rusty or earthy

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come rusted, or of earthy form; the outer rind, as it were, preventing any rapid combination taking place with the metallic surface, five or six miles below the face of the dry land. Eruptions from volcanoes are probably produced by the sea getting down to the metallic surface, through some some fissure in the earth's crust; decomposition of the water then takes place-fire, flame and steam causing an eruption. It would be an instructive lesson to man to quarry into the earth's crust to the depth of ten or twelve miles .- Scientific American.

For the New England Farmer.

SHAPE AND CONSTRUCTION OF CHURNS.

If I am correct in what I here say, this is a subject of vast importance. I am a plain farmer, and keep a few good cows, and have the vanity to believe my wife makes as good butter as any woman; I have my house (which is small) well filled with patent churns and patent humbugs, some of one shape, and some another. Some years ago, I became satisfied the cylinder was the only proper shape for a churn. In all square and oblong box churns, a large amount of cream must stick, and can only be churned by scraping it down. Now, does this cream put down at different times, all come to butter? If not, there is a loss; but this is not the worst of all; it leaves a portion of half-churned cream, which is mixed with the butter in small particles, from which the buttermilk cannot be extracted, hence the butter soon spoils. I am satisfied more butter is

some will disbelieve me. But an honest trial will feeding swine on turnips! convince unprejudiced dairy-men of the fact. 1 | I have, for several years past, kept several churns in use; and the reason is, it stirs all the than any feed we had ever found in our vicinity, cream alike, there is no patting down of the 1 have produced, for several years past, some cream. As the dasher fills the cylinder, and plays two or three hundred bushels annually of the astrile of breakers, so there is a constant reac- Swedish, or, as we call them here, the sweet turtion; and what is more, this churn will work but hip, which I think the best root I can grow ter and mix the salt better than anything I ever (compared with the expense of raising.) for any saw. I feel bound to say this, because it is no stock, including swine.

humbug, but will perform all the proprietors claim for it. And I feel the more willing to speak produce a litter each in a season; and I compared with the Vapanies of the variety of the va can recommend this churn above all others.

dune. Put them into a strong brine and let them baga should be among them, it would be relected. ounce of cloves, and half an ounce of whole black had a hog that refused the Swedish after two or cover with strong vinegar. They will be fit for much cheaper than any other feed for winter and use in about four weeks. They are a very nice spring. No small is needed until the saws litter pickle, and will repay the labor of making.

HIDDEN LIGHT.

I much mistrust the voice That says all hearts are cold, That more self-interest reigns, And all is bought and sold.

I much mistrust the man Who will not strive to find Some latent virtue in The soul of all mankind.

Yes! if you say the fount Is sealed and dry, I know It needs a wiser hand To make the waters flow.

If you would still appear To evil life in all, I know a demon band Will answer to your call.

But when the Lord was gone. The Lord who came to save, Two angels, fair and bright, Sat watching by the grave.

And from that blessed hour. With an immortal mein, In every temb of Good Some angel sits unseen.

The spell to bring it forth? With lowly, gentle mind, With patient love and trust, Tith patient love and ...
Go seek—and ye shall find.

Household Words.

For the New England Farmer.

TURNIPS FOR PIGS.

Mr. Editor:—In your paper of the 20th Janspoiled by uneven churning than by all other uary, I find an article with the above heading causes.

Our friend from "Down East," Bethel. Me., I am aware when I speak of box or square makes the interesting inquiry, whether any of churns, as losing five or ten per cent. of butter, your correspondents have fael any experience in

saw something like this in a handbill put out by swine, though not to such an extent as some of Hall & Holmes, the proprietors of Fyler's Butter your Middlesex breeders. Mr. Haves, of South Working Churn, I was disposed to disbelieve. Framingham, of whom I purchased a Suffolk pig But about one year ago I was induced to pur-last winter, had about 120, of all sizes, sexes and chase one of the above churus, and I find it proves ages; and his feed at that season was principally all it was recommended, and will make full ten heef scraps, boiled in water, with some rice or per cent, more butter than the square-shaped corn meal, which I thought more economical

raw turnips, chopped, night and morning, till they litter, which is usually from the first of For Pickling Walnuts.—The walnuts should March to the first of April; they will cat them be gathered between the first and the middle of as readily as corn, while if, by chance, a rotastand ten or twelve days. Then soak them for I think the flat turnip of little value for swine; two or three days in weak vinegar. Then scrape the ruta-baga, though similar to the Sweesan is them well, and to every peek of walnuts add an far superior for the table; and, as I ! . . never pepper. Put them into a small-monthed jar and three feedings, I think they are the turnies, and jand nars). The expense of cooking is so al, for

they prefer them raw, unless meal is added. For fattening pork, for rearing young shoats and for nursing sows, where meal is required, they are, I .. We had to trust to the Damara guides, whose think, fifty per cent, cheaper than any root we can raise at this time, to cook, with which to feed meal. Joseph Raymond.

Hubbardston, Jan. 22, 1855.

For the New England Farmer.

GROUND NUTS---SOFT SOAP.

Mr. Brown: -Your correspondent, "G. F. N." is not so. asks, if the "Ground Nut, or Indian Potato," time. If you say, 'Suppose we start at sunrise, cannot be cultivated to "make it a valuable root." where will the sun be when we arrive?' they I answer yes, presuming it to be the artichoke— make the wildest points in the sky, though they

to vinegar (and spices if you want good pickles to express four, they take to their fingers, which of any kind;) no salt pickle or scalding is re- are to them as formidable instruments of calculaquired as with the usual vegetable pickles.

dispenses with the ley-leach, hot fires and various they know. vexatious troubles, and every family can make soap that makes grease. н. Р.

THE USE OF LEAVES.

of other influences.

and if it have young fruit, the growth and maturity of the latter will cease in the same way. A few years since, a Yellow Gage plum tree lost size of the mass pleases him, and the bargain is all its foliage from leaf-blight, when the plums struck. were not fully grown, and while yet destitute of

allow the leaves to grow to full size without being observed Dinah, my spaniel, equally embarrassed injured from crowding.—Anon.

AFRICANS NO ARITHMETICIANS.

Mr. Gavett, a traveller in South Africa, says: ideas of time and distance were most provokingly indistinct; besides this, they have no comparison in their language, so that you cannot say to them 'Which is the longer of the two, the next stage or the last one?' but you must say, 'The last stage is little; the next, is it great?' The reply is not, it is a 'little longer,' 'much longer,' or 'very much longer;' but simply, 'It is so,' or 'it They have a very poor notion of "time. If you say, Suppose we start at sunrise, known in boyhood's days as the "ground nut." are something of astronomers, and give names to No vegetable is more valuable for pickles, wheth-several stars. They have no way of distinguisher a "child of nature" or one of highly-cultivated ing days, but reckon by the rainy season, the dry taste. Cucumbers, peppers, tomatoes, melons, season, or the pig-nut season. When inquiries onions, &c. fall into insignificance compared with are made about how many days' journey off a the artichoke as a delicious, crumpy pickle. It place may be, their ignorance of all numerical never grows soft; a lady at my side says, "I ideas is very annoying. In practice, whatever they wish I had a bushel of them this minute." imay possess in their language, they certainly use may possess in their language, they certainly use Dig them, wash them clean and put them in-no numeral greater than three. When they wish tion as a sliding rule is to an English school-boy. To make Soft Soap.—18 pounds of potash to 18 They puzzle very much after five, because no pounds of clarified grease makes a barrel of soap; spare hand remains to grasp and secure the finpour in cold water and stir. Potash is cheap, gers that are required for 'units.' Yet they selfhere was a tradition among our ancient matrons, dom lose oxen; the way in which they discover that May was the lucky month for 'soap to the loss of one, is not by the number of the herd come." This new practice, without regard to time, being diminished, but by the absence of a face

When bartering is going on, each sheep must be paid for separately. Thus, suppose two sticks of tobacco (a stick is about an ounce) to be the rate of exchange for one sheep, it would sorely puzzle a Damara to take two sheep and give him The office and utility of leaves are becoming tour sticks. I have done so, and seen a man first better understood by cultivators than formerly; put two of the sticks apart and take a sight over yet we find a good many still adhering to the old them at one of the sheep he was about to sell. belief that the sun's rays, directly shining on Having satisfied himself that that one was honforming fruit, are what perfect it independently estly paid for, and finding, to his surprise, that exactly two sticks remained in hand to settle the On this subject, theory and practice have been account for the other sheep, he would be afflicted invariably found in perfect accordance with each with doubts; the transaction seemed to come out other. The principles of physiology teach us that too 'pat' to be correct; and he would refer back the sap of a tree, when it passes in at the roots, to the first couple of sticks, and then his mind remains nearly unchanged in its upward progress got hazy and confused, and wandered from one through stem and branches, until it reaches the sheep to the other, and he broke off the transacleaves, where, being spread out in those thin or-|tion until two sticks were put into his hand and gans, to light and air, it undergoes a complete one sheep driven away, and then the other two change, and thus becomes suited to the formation sticks given him and the second sheep driven of new wood and new fruit. Strip a rapidly way. When a Damara's mind is bent upon growing tree of its leaves at midsummer, and from number, it is too much occupied to dwell upon that moment the supply of new wood ceases, and quantity: thus, a heifer is bought from a man for it will grow no more till new leaves are formed; ten sticks of tobacco; his large hands being both

You then want to buy a second heifer; the flavor. The fruit remained stationary and unal-same process is gone through, but half sticks instead of whole ones are put upon his fingers; leaves came out. They then swelled to full size, the man is equally satisfied at the time, but occareceived their crimson dots, and assumed their sionally finds it out and complains the next day, honied sweetness flavor. The object of pruning should be, therefore, to hopelessly in a calculation on one side of me, I on the other. She was overlooking half a dozen of her new-born puppies, which had been regard as in more accordance with my views. "The removed two or three times from her; and her flecting mind, it is true, beholds traces of a higher anxiety was excessive, as she tried to find out if wisdom and goodness in every step of every walk they were all present, or if any were still missing, of life; but the husbandman, who drops a seem-She kept puzzling and running her eyes over them ingly lifeless seed into the cold, damp earth, there backwards and forwards, but could not satisfy in a great part to decay—who sees the vital germ herself. She evidently had a vague notion of in a few days pierce the clod, rise into the air, counting, but the figure was too large for her drink the sun's rays and the dews of heaven, brain. Taking the two as they stood, dog and shoot upwards and expand, array itself in glories Damara, the comparison reflected no great honor beyond the royal vesture of Solomon, extract from on the man.

For the New England Farmer.

TIME FOR THOUGHT IN THE FIELDS.

the articles in the Monthly Farmer, makes some the veil which conecals the mysteries of creative remarks on the following sentence in Mr. Fay's power, and sit down (if I may so speak,) in the Essex County address: "He who delves and digs laboratory of Omnipotence." the earth from morning until night, has little Now, Mr. Editor, I have endeavored to make time and less inclination for thought." I have this as short as possible, and yet I have but just been happy to agree with him in most of his re-began; but I will ask one or two questions, and marks, but do not in this. Cannot a man think then stop. Cannot a farmer exercise his thoughts while planting, hoeing, and harvesting his crops? on various subjects, even when at work? And Think ye the only place for deep thought is in if he reads, will he not have inclination to critthe office of the lawyer, doctor, or office of the icise, compare, and come to conclusions? I think priest? Who that has one spark of animation he will, and in this find rational and rapid imleft when he goes into his fields, with the free provement. breath of heaven upon his cheeks, and standing upon soil which he calls his own, cannot think, and think deeply, too! I assure you it is not I.

"A Reader" says, "the advantages which the farmer enjoys for study and reflection, and his on my farm of about finety acres, without the help of one hand, so much as three months in a year, and have been out teaming this winter with the thermometer pointing thirty degrees below zero, and had ample time for thought and consideration, and a grand time for study by a good grand to be relaid, and nothing has been wrong done.

The process of making plate glass consists in melting the silex and flux in large crucibles, then the relation was a grand to be relaid, and nothing has been wrong done. fire when I got home. As to the glories of sun-emptying the molten mass upon a smooth iron rise, no one can beat me in the admiration of bed, with guide ways or strips of metal at the that; and as to thinking of breakfast up here in sides, on which rolls a huge iron roller, which we are enjoying the glories of sunrise so much, baker rolling out a cake. When it congeals, even while mowing, that we are hardly ready to which it does rapidly, it is shoved on a rolling go when the summons comes; we have a way, table into the annealing oven. American white also, to fix our feet and legs, so that we suffer no sand, for making glass, took the prize in the Lonmore from the chill dews (if I may call them so.) don Exhibition, in 1851, and we see no reason than if we remained in the house. We do not have to delve so but that we can look around better plate glass than any other nation. The upon nature and up to nature's God. If our six large plates were made in about an hour; friend "Reader" had said the farmer has less inclination to communicate his thoughts, I should takes were made; the utmost satisfaction was an half-man and the same and takes were made; the utmost satisfaction was probably agree with him.

quote from an Essex address, by Hon. E. Everett, Company .— Scientific American.

the same common earth and a thousand varieties of the green of the leaf—the rainbow hues of the petals—the juicy or the solid substance of the fruit, which is to form the food for man and his dependent animals,-I say the intelligent hus-Friend Brown:—'A Reader,' who criticises bandman who beholds this, seems to step behind

South Woodstock, Vt., Feb., 1855.

AMERICAN PLATE GLASS.

On Thursday, last week, we experienced the opportunities for profiting by the changes of sea-sons and the successive beauties which the rolling tory, established in our country, in successful year presents for his admiration and improvement, are generally dwelt upon by agricultural operation, at the foot of North-sixth Street, Brook-ment, are generally dwelt upon by agricultural operation, at the foot of North-sixth Street, Brook-lyn, (formerly Williamsburg.) In the month of place to make poetry than in the field, on a pleasant summer morning!) that are but poorly realized by him who sits down in a warm room to glass, nine feet by four, east with great expedition, and with as complete success as if it were in study after a day spent in the woods with the ized by him who sits down in a warm room to study, after a day spent in the woods, with the thermometer pointing at zero; or by him who attempts to admire the glories of sunrise, after mowing long enough to be thinking of breakfast, or of his feet and legs, that are sopping wet with the chill dews of a summer morning. Now I have some experience in this matter, for I earry on my farm of about ninety acres, without the help of one hand, so much as three months in a ginning to end: and so well had every thing been

Vermont, (except some of the very slack ones,) smooths down the molten mass on its bed like a obably agree with him.

Sow, friend Brown, will you permit me to success of the enterprising American Plate Glass

Sire.

Gr. Sire.

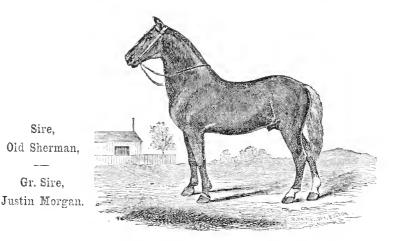
Color.

Chestnut.

Weight,

1050.

FROM A DAGUERREOTYPE OF THE SHERMAN MORGAN.



KEPT BY A. J. CONGDEN, AT LANCASTER, N. H.

This horse, of known pedigree, as above, was growing thriftily without forcing them too rapan exact pattern, on an enlarged scale. He is mated to weigh about 600 pounds each alive. worthy successor to so distinguished a sire.

Of great doeility, spirit, energy, speed and endurance; of beautiful color; of elegant form and action, he possesses an unusual combination of desirable qualities, and his well known stock is fully proved to be of the highest excellence.

Very few studs sired by the "Old Sherman,"

At the same place stands also the "Kent Morcorrect. He possesses a remarkable combination \$600.

BEEF AT ONE YEAR OLD.—We copied in an ces, they are always alike. early number, an account of the success of Mr. ing them on the same kind of food during the ing crops.
summer, taking good care to feed them uniform. Certain substances or chemical elements when

19 years old in August last. He was raised in idly. In the fall they were put in the stables, Campton, N. H., and has been kept in New and fed on hay, and a little meal, increasing the Hampshire, Vermont and New York. He now stands at the stable where the celebrated "Old or a little under. These calves at eleven Sherman' died, in 1835. Of him he is almost months old, look like young oxen, and are esticonsidered, by judges who have known both, a correspondent at Cazenovia writes us that he has tried the same plan with equal success.—Rural New-Yorker.

For the New England Farmer.

CHEMISTRY .--- No. 1.

WHAT MAY WE LEARN FROM 1T?

Mr. Editor:—With your permission, I propose to give your readers some facts in relation to this much-neglected branch of natural science; not, the most famous of the Morgans, still live—the however, because I feel myself competent to the "original Vermont Black Hawk" being one. The task, for I am a mere tyro in this important sub-Sherman, some years younger than any other, is ject, and it is only to awaken an interest in it, believed to be the only one east of the Connecticut. and to call forth light from abler pens, that I attempt to say anything about it.

It is the province of chemistry to teach us of GAN, 11 years old, bay, very elegant, a grandson what all substances are made, the kind and proof Old Sherman and of old Woodbury. Pedigree portion of matter in each, their relation to each other, and the changes that take place, and what of the peculiar excellences of both these best it is that produces these changes. Everything original branches of the Newson way. original branches of the Morgan race. Colts of bodies down to the most insignificant plant that this horse command good prices-from \$200 to ever attracted the attention of man, is made up of proper substances in due proportions, and with the same species under the same circumstan-

Does the cultivator of the soil wish to aid na-Crowell, in rearing calves so as to fit them for the ture in producing any vegetable? Chemistry tells butcher at one year old. When a few days old him of what that vegetable is composed, thus he commenced feeding them on sour milk, keep-telling him what to use as a stimulus to his grow-

ly, but not very abundantly, so as to keep them brought together destroy (disorganize) each oth-

er. Here, too, she is ready to speak. The farmer who composts a cord of manure, does it at a loss, unless he acts in accordance with chemical principles. Nothing has been added and nothing receive a share of the attention due it.
S. Tenney.

West Poland, Me., March, 1855.

For the New England Farmer.

SHAPING CATTLES' HORNS.

Mr. Editor:—In the Farmer of Jan 27, is an inquiry from Mr. S. F. Alger respecting the shaplines, stating what little I know of the point in formation :question. I have not had the experience of many others; but I have no hesitation in saying, that of the operator, (provided it is reasonable.)

and by shaving or scraping, reduce the shell of the horn to about one-half the original thickness, as a general rule. (but this must depend on the amount you wish to alter the horn,) upon the under side of the horn. And if at the same time you wish to spread, or contract, always upon the opposite side of the horn from the direction in which one you wish it to turn. The horn should always be left perfectly smooth, and occasionally oiled over with some penetrating oil. If the horns are to be corrected but little, the operation of thinning once may be sufficient, but if they are more imperfect, it may be necessary to follow them upperfect, it may be necessary to follow them upperfect of the bed, or thereat all. Amplificator.

West Brookfield, Feb. 12, 1855.

in an opposite direction."

For the New England Farmer.

CULTURE OF MADDER.

Mr. Editor:—Will you be so kind as to give lost since the creation, and all the varied forms your friends in this region some information in of vegetation are only a change of matter, in relation to the culture of Madder? This subject form and location, and as these changes are considerable interest in our community stantly going on, not only around us but in our of late, and any information you may be able to very systems, it must be of vital interest to us to impart through the Farmer, or to me, will be a know something of them as they daily occur. I favor to some of the readers of your valuable am happy to be able to say that this branch of paper in this county. There is an old man in science, so useful to the farmer, is beginning to Hydepark who tells of working at it some time, when it was very profitable. I think information from you would be preferable to his. I wish to know whether a piece of the root is planted for the first crop, or whether I must start from the seed! Also, where shall I get it, what kind of soil, and what would be the Probable income per acre?

A LAMOILE FARMER.

Remarks.—Mr. Russell Bronson, of Birminging of young cattles' horns; and as no one has ham, Huron County, Ohio, a successful cultivator seen fit to impart the information for which he of madder, has published a communication upon wishes, I thought that I would send you a few this subject, which contains the following in-

"A location facing the south or south-east, is the horns of cattle if commenced with in season, to be preferred. A sandy loam, not over stiff and may be made to assume any form to suit the taste heavy or light and sandy or a good brown, deep, to be preferred. A sandy loam, not over stiff and rich upland loam, free from foul grass, weeds, My first attempt to correct the freaks of nature stones, or stumps of trees. Where a crop of poin this matter, was upon the horns of a pair of tatoes, peas, corn, or wheat has been cultivated steers, then owned by my father. Without giv-the past season, plow deep twice, once in Seping the details, suffice it to say, that I compelled tember and once in October, and if rather stiff, the horns of one steer to take a more upright policit it is after the plow until spring. When the sition, and at the same time a broader view, so spring opens, and the ground has become dry as to correspond with those of the other. as to correspond with those of the other. Since and warm—say in Tennessee 1st of April, Ohio that time I have had several cases, and have nev-15th, and New York 25th to 1st of May, (I speak er failed of success. In my own opinion, the best of the spring of 1836,)—plow again deep, the time is to commence in the month of March, and deeper the better; then harrow well and strike it continue the operation until the horns become it into ridges with a one-horse plow, 3 feet wide hardened for the winter. The process is simply and 4 feet vacant, or making a ridge once in 7 this, if you wish the horns become this; if you wish the horns to grow more up-feet, raising it, if on rather moist ground, 8 or right, you must take a knife or other instrument, 10 inches, and dry land 6 or 8 from the natural and by shaving or scraping, reduce the shell of level; then, with a light harrow, level and shape

There may be others who will give better light inches below the surface of the bed, or therethan this, but if no one else shall respond to your abouts, when covered,) one on each side to drop request, this small light may be better than none the roots, and one on each side to cover, pressing the hill in the manner of planting corn; or three persons may be placed on one side, as the ease Remarks.—Mr. J. Farnum, of Uxbridge, Mass., plant. Let the owner be the dropper of roots, confirms the above, and says the reason is this: and his most thorough assistant behind him. Wake the holes from 12 to 18 inches apart, and about six inches from the edge of the ridge. As ing the hard surface, grows faster than the until the plants are supposed to have been purchased scraped side, and causes the horn to turn or curl in the fall, the roots may have thrown out sprouts, and possibly have leaved. In this case, in dropinent sprouts a little out of the ground, as where only one came up. a plant has leaved, it ought not to be smothered. The rays of the sun furnish

weed with the hoe, and plow with one horse the heat-giving rays are favorable to it, if plenty between the ridges or beds, but not on them; of water is present; while the blue rays, or those this will take place two or three weeks after concerned in chemical action or actimism, (from planting. tops will fall; assist them with ten feet poles and cause a rapid growth. His experiments were, crossing the beds, covering with a shovel or making the light pass through colored glasses garden-rake, throwing the soil from between the upon the vegetable. He thinks that a blue glass you will, with a shovel, scatter the earth between will increase the heat. He says that a pale green the stalks, rather than throw it into heaps; of glass made with oxide of copper, is best fitted for course we wish to keep the stalks separate, as conservatories—green being a compound of the they are to form new and important roots in the yellow or luminous rays with the blue or chemicentre of the beds. About the 20th of June you cal rays. A delicate emerald green glass has, at may plow between the beds, and scatter more his suggestion, been used in glazing the large Pall earth on the fresh tops, (all but the ends,) and House at Kew. when you get through, you may plant potatoes between the beds, if you please. I do not recom-mend it if you have plenty of land, although I raised 1070 bushels of pink-eyes on eight acres the first year, and sixty bushels of corn. If your use and meaning of this term-chiefly as it is apland is perfectly clear of weeds, you are through plied to cattle, or stock upon the farm. In itwith your labor on the madder crop for this year, except in latitudes where there is not much snow and considerable frost: in this case, cover in October, two inches or thereabouts. Second year, some operations in weeding, but no crop between; cover once in June. Fourth year, weed in the spring, if a weedy piece about this term, it must be from the words to of ground.

Begin to plow out the roots in Tennessee (3 years old) Ist of September; Ohio (4 years) same time; New York 15th or 20th, after cutting off the tops with a sharp hoe. In plowing out the native cattle or native breeds of cattle, one may roots, use a heavy span of horses and a large have ideas relating only to the place in which plow. We ought to choose a soil neither too wet nor too dry, too stiff or light. Shake the dirt from the roots, and rinse or wash, as the soil may be stiff or light; dry in a common hop-kiln; grind them in a mill similar to Wilson's patent that writers who would instruct others, should coffee-mill; this mill weighs from one to two accurately explain the meaning of the words they pounds. The madder mill may be from sixty to 80 pounds weight. Grind coarse, and fan in a fanning mill; then grind again for market. The profit of this crop is immense; the exhaustion of think their effect is decidedly beneficial; but we

question.

Madder is used in whole, or part, for the following colors on wool, both in England, France and America, viz.: blue, black, red, buff, olivebrown, olive, navy blue, and many others; finally, it produces one of the most beautiful, durable, and healthy colors that is at this time dyed; as for calico printers, it enters greatly into their Take one table spoonful of alum and two of saltdyes.—Am. Farmer's Instructor.

As the tops of the plants spread very much, some advise placing them in hills, somewhat like Indian corn, four and even six feet apart each

way, and two plants in each hill."

Seed buried 1 inch deep, up in 11 days, 7-8ths in the same way. of them; I inch deep, in 12 days, all; 2 inches deep, in 18 days, 7-8ths; 3 inches deep, in 20 It does all it promises. Such skins make exceldays, 3th; 4 inches deep, in 21 days, ½; 5 inches lent mats for in-doors.—Farmer's Companion.

ping and covering, you will leave the most prom- deep, in 22 days, 3-8ths; 6 inches deep, 23 days,

light—those When the plant gets up three or four inches, nearest the yellow are remarkable for impeding When up I2 or 15 inches, many of the the Greek actim, a ray,) accelerate the process After loosening with the one-horse plow, will prevent scorehing of leaves, and that red glass

NATIVE.

Some discussion has been had of late, as to the self, it is as clear and as intelligible, as any other word that is used, being defined by the Latin word from which it is derived, which simply indicates the fact of being born, or the place of Third year, weed only. birth. If there be any ambiguity or uncertainty which it is often attached, rather than from the word itself.

As for instance, speaking of natives, meaning they came into being, another to those considerations which ensure the ability to reproduce the like. It therefore is of the highest importance, use, in the connection in which they are used.

We find no fault with these discussions—we soil trifling, and glutting the market out of the are sorry that gentlemen of distinguished ability, should waste their strength on words only-remembering, as the great Doctor Johnson long ago said, that

"Words are the daughters of earth, Things the sons of heaven.

TO CURE SHEEP SKIN WITH THE WOOL ON,petre; pulverize and mix well together, then sprinkle the powder on the flesh side of the skin, and lay the two flesh sides together, leaving the wool outside. Then fold up the skins as you can, and hang them in a dry place. In two or three days as soon as they are dry, take them down and DEPTH OF PLANTING SEEDS.—We find the follow-scrape them with a blunt knife till clean and suping from a foreign author, among the papers read ple. This completes the process, and makes a before the Farmer's Club of the American Insti-most excellent saddle cover. Other skins which you desire to cure with the fur on, may be treated

We can speak in favor of the above recipe.

For the New England Farmer.

THE CURCULIO.

may be devised to destroy this noxious insect, or prevent its attacks upon this wholesome fruit. I would like to inquire at what time, and how, they es which take place from this time until it comes forth a perfect insect, ready again to destroy the neighbor's fruit is not attacked. choice fruits of our labor, are unknown to me. If it lies during this time in the ground beneath the tree, why can it not be destroyed by placing stone lime under the trees, and slaking it there, MIXING DIFFERENT VARIETIES OF or by the application of ashes, salt, or some other substance that is destructive to animal life? I am not satisfied as to the amount of territory ing of different varieties of corn, and on the pracwhich they traverse, whether they roam about tice of cutting the stalks of corn. like other winged insects from tree to tree which growing for years, on which I have never found a stood. ripe plum; they blossom and set well, but not been successful, will make their remedies known effect upon it. through your valuable paper, they will confer a favor on many lovers of good fruit. Carlos. Middlebury, Vt., May 7, 1855.

their operations to the middle of July, or as thought of its application. some say, till the first of August. In doing this, the beetle makes a small crescent-shaped incision from this egg is a little, whitish grub, destitute of feet, and very much like a magget in appearliquely into the fruit, and finally penetrates to main till perfectly ripe. the stone. The irritation, arising from the wounds, and from the gnawing of the grubs,

while, the grub comes to its growth, and immediately after the falling of the fruit, quits the Mr. Brows :- As the season is fast approach- latter and burrows in the ground. This may ing in which this insect commences its depreda- occur at various times between the middle of tions upon the plum, I wish to call the attention June and of August; and in about three weeks of those who have had more experience in plum- afterwards, the insect completes its transformaraising than myself, that if possible some remedy tion and comes out of the ground in the beetle

The fruit may be preserved by dusting it with propagate their species? The egg or larvae that lime, ashes or plaster, twice a week, when the is deposited in the fruit, falls to the ground in fruit is wet, beginning as soon as it is as large as the premature decay of the plum; and the changa pea. We cannot account for the fact that your

For the New England Farmer.

CORN, AND CUTTING THE STALKS.

Observations of an octogenarian on the mix-

The fact has never been doubted that the proare at a distance from each other, or whether duce of different sorts of corn which are planted they remain about the tree on which they are side by side, will be mixed. But how this refirst found. I have several trees which have been sult is caused seems not to be generally under-

The common opinion has been and still is, one tree escapes the bite of the deadly enemy, that it is caused by the falling of the pollen from while many of my neighbors, near by, have an the top stalk on to the end of the ear. My obabundance of fruit. If all who have trees on servation teaches me otherwise. There is to which they hope to raise this fruit, will try ex- every kernel a silk which is tuberous, and when periments, and devise some means of preventing fully grown the end of it, beyond the top of the its destruction, and those who have tried and ear, falls down, so that the pollen could have no

If you go into a field of corn, on a calm day, you will see, by means of a good glass, vapors, like the thread of a spider's web, pointing from the top stalk to the end of the ear. I have seen Remarks .- The plum-weevil, or curculio, as it this without a glass when the vapors were so abunis often called, is fully described by Dr. HARRIS, in it less clear than it is at a distance. It is in this his excellent work on "Insects Injurious to Vege- way, I believe, by a law of attraction, that the tation." He says "they begin to sting the plums effect is produced. I have seen one man who as soon as the fruit is set, and continue had made the same observation, but had not

Now a little, if you please, about cutting the

top stalks of corn. By some this is never practiced, because they with its snout, in the skin of the plum, and believe the corn is benefited by having the stalk's then, turning round, inserts an egg in the remain till it is ripe. Let us see. Every ear of wound. From one plum it goes to another, until corn comes out of a joint, and for the corn to be wound. From one plum it goes to another, until corn comes out of a joint, and a wound. From one plum it goes to another, until corn comes out of a joint, and a wound would be stalk the sap in the stalk must be carr, which its store of eggs is exhausted; so that, where descend to the joint and ascend to the ear, which these beetles abound, not a plum will escape being stung. Very rarely is there more than one vegetables will admit to be the ease. After years incision made in the same fruit; and the weevil of careful observation, I am convinced that the lays only a single egg therein. The insect hatched stalk does no good to the corn after the top of it is dry. But if the top stalks are then removed, the sun will be let in upon the ears and the corn will ripen much faster. Book Farmers, I supance, except that it has a distinct, rounded, pose, think otherwise, and recommend cutting up light brown head. It immediately burrows ob-the corn entirely, or suffering the whole to re-

Westboro', Dec. 11, 1855.

Pickled Peaches.—Take a gallon of good vincauses the young fruit to become gummy, dis-legar, add a few pounds of sugar, boil it for a few eased, and finally to drop before it is ripe. Mean-moments, and remove any scum that may rise;

rub them with a flannel cloth, to get off the down he generally builds his nest, in a laurel or alder upon them, and stick three or four cloves in each; bush. Outwardly it is composed of withered put them into a glass or earthen vessel, and pour beech leaves of the preceding year, laid at the the liquor upon them boiling hot; cover them bottom in considerable quantities, no doubt to up, and let them stand in a cool place for a week prevent damp and moisture from ascending or ten days, then pour off the liquor and boil it through, being generally built in low, wet situa-as before, after which return it boiling to the tions; above these are layers of knotty stalks of peaches, which should be carefully covered up withered grass, mixed with mud and smoothly and stored away for future use.

For the New England Farmer.

THE WOOD-THRUSH.

any of the essays which have occasionally appeared in the Farmer upon the "Birds of New charms you with his song, but is content and England." I have been hoping some one would even solicitous to be concealed. They are easily write upon the merits of this sweet songster of reared from the nest, and sing nearly as well in our woods and groves, but, despairing of this, have myself undertaken the pleasing task. The wood-thrush, wood-thrush, wood-robin, or ground, as it is difit will readily be distinguished from the brown formular neglection of the wood-thrush, wood-thr ferently named, inhabits the whole of North thrush, or thrasher, as it is called in New Eng-America, from Hudson's Bay to the peninsula of land, which is a larger species of the thrush, and Florida. It arrives in New England towards the law which is a larger species of the thrush, and Florida. It arrives in New England towards the law which is a larger species of the thrush, and swell known and very distinguished songster, last of April, and returns to the south about the law and maledy of wice the law. beginning of October. Not having its exact des- and melody of voice. From my early youth, the cription, I have quoted the following from WIL- song of the wood-thrush has, for me, had a peson's American Ornithology: "It measures eight culiar charm—a charm which I have never found inches in length, and thirteen from tip to tip of in the song of any other bird. His usual time of the expanded wings; the upper mandible of a song is in the early morn and between sunset and dealer brown. dusky brown, bent at the point and slightly notched; the lower, a flesh color towards the base; the legs are long, and, as well as the claws, of a pale flesh color, or almost transparent. The whole upper parts are of a brown-fulvous There is something into redish on the head, and inclining to an olive on the runn and tail; alin and which together with the solitude and beauty. inclining to an olive on the rump and tail; chin and which, together with the solitude and beauty white; throat and breast white, tinged with a of the place he usually selects to unburden his light buff color, and beautifully marked with pointed spots of black or dusky, running in chains from the sides of the mouth, and intersecting each other all over the breast to the belly, and lift them above, even to those blissful regions which with the vent is of a run with the rest of the section of powerful swips where are bound of powerful swips where are the same powerful swips where the same powerful swips are the same powerful swips and the same powerful swips are which, with the vent, is of a pure white; a of perpetual spring, where are heard purer, narrow circle of white surrounds the eye, which sweeter and more thrilling strains, than was ever is large and full, the pupil black, and the iris of heard by mortal ears. a dark chocolate color; the inside of the mouth is yellow. The male and female of this species, bon, "although composed of but few notes, is so as, indeed, of almost the whole genus of thrushes, powerful, distinct, clear and mellow, that it is differ so little as scarcely to be distinguished from impossible for any person to hear it without beeach other."

at whatever time the wood-thrush may arrive, he sounds I can compare these notes, for I really soon announces his presence in the woods. With know none so melodious and harmonical. the dawn of the succeeding morning, mounting to the top of some tall tree that rises from a low, mentioned by Wilson; the first consists of three thick-shaded part of the woods, he pipes his few, or four singular and rather plaintive notes, of a but clear and musical notes, in a kind of cestacy, similar sound, which seem to come partly through the prelude or symphony to which strongly re- his nostrils; although they cannot be compared sembles the double-tonguing of a German flute, with those of his best song as to clearness and and sometimes the tinkling of a small bell; the melody, yet they are pleasing to hear, and the whole song consists of five or six parts, the last more so the nearer you are to the musician; the note of each of which is in such a tone as to leave other is composed of only two notes—a higher finely managed, and with such charming effect as dious; the lower note is sometimes sounded first, sweeter and mellower at each successive repeti-low, chirping note, peculiar to himself, which he tion.

"The favorite haunts of the wood-thrush are low, thick-shaded hollows, through which a small weary of the world, or of your own inclinations! brook meanders, overhung with alder bushes, that Does your spirit long for a nobler, truer life than

then take cling stone peaches that are fully ripe, are mantled with wild vines. Near such a scene plastered, above which is laid a slight lining of fine, black, fibrous roots of plants. The eggs are four, sometimes five, of a uniform light blue, without any spots.

"The wood-thrush appears always singly or in This bird has not, I believe, been mentioned in pairs, and is of a shy, retired, unobtrusive dispo-I have been hoping some one would even solicitous to be concealed. They are easily

"The song of the wood-thrush," says Mr. Auduing struck with the effect it produces on the His powers of song are thus described: "But mind. I do not know to what instrumental

the conclusion evidently suspended; the finale is and a lower; but these are loud, clear and meloto soothe and tranquilize the mind, and to seem but more frequently the higher. He has also a frequently uses.

Dear reader, is your heart sad? Are you

green woods, in the dewy morn or at evening's the plow. This will allow the rows to be placed twilight hour, and listen to the song of praise nearer to each other than when the plow is to be offered by this sinless worshipper to the great used. Creator, and if you have a true, earnest and persevering desire in your inmost soul that you too seale, it is usual to use a dibble or small spade. may offer, from a heart as free and joyous, a song This is inserted into the ground, and by bearing this innocent warbler, that desire will surely be opening is made, into each end of which a plant gratified; if not fully granted in this life, yet it is inserted by a boy. The spade is then withwill be hereafter. S. L. WHITE.

Groton, May 18, 1855.

For the New England Farmer.

THE CULTURE OF RAPE OR COLE.

nation, and for the succulent food which it yields their roots. The lower pods are apt to become in great abundance, at a season when other fod-ripe, before those on the topmost branches. der is usually scarce. Its thick leaves and stalks When most of the pods are ripe, it should be cut ble as linseed meal for feeding cows. It is com- pods and small branches broken off in threshing. ing into extensive use for this purpose in Germany and England. Large quantities are annually with the culture of this plant in Europe. Expeimported into this country, at an expense of \$3 rience will determine how far European methods or \$4 per bushel, for feeding cage birds.

hairs or bristles, while the leaf of the rape is sults? Seed may be obtained at Wilson. Fairsmooth. The rough-leaved variety is said to be banks & Co.'s, Hanover Street, or at most of the the most productive. The rape is a biennial plant, wholesale druggists, or at the seed stores. that is, it is sown in one season, and matures its seed in the following season, like winter rye and wheat. It is cultivated, sown broadcast, or in The latter method is decidedly the best. It requires a good soil, such as would produce good crops of barley or wheat. The soil must be its product. The seed should be sown in drills in benefit will be derived thereby. a bed, early in August. The bed should be prepared with the spade and made rich. They should southern aspect, with yard one rod of land at receive the plants.

apart, and then by a return of the plow throw Third, keep no rooster. the soil again into the furrow, and then with a

this? Go forth into nature's sanetuary, the fingers, or the wheel-hoe may be used instead of

When the crop is to be cultivated on a small as pure and acceptable to the Infinite God as does the handle towards the body, a wedge-shaped drawn, and the earth is pressed around the roots of the plants. The plants should be raised earcfully from the bed in which they are started, by a fork, and with as much dirt as possible adhering to their roots, laid into baskets, and handled with much care when they are inserted into the ground. If the plants are watered with night-This plant, which belongs to the cabbage fami-soil steeped in water, sink drainings, or other ly, is extensively cultivated in many parts of Eu-liquid manures in the spring, they will become rope, both for the seed, from which an oil is ex-extremely luxuriant. They should be kept free pressed, which is used for the purpose of illumi-of weeds, and the earth frequently stirred around are much relished by cows and sheep, and are while the dew is on it, and laid upon sheets, or very nutritious. I know no reason why this upon a wagon with a tight bottom; after lying plant should not be extensively cultivated by our one or two days in the sun, or on the barn-floor milk-raisers. Indeed, it appears to be the very where the air can have free access to it, it is article they need, upon which to feed their cows threshed, and the seed spread upon a floor and in June and July, before the green corn is large frequently stirred to prevent its heating. It is enough to begin to cut. The seed, if not used for common in Germany to thresh it on sheets in its oil, is probably, when ground, quite as valua-the field. Cattle and sheep are very fond of the

require to be varied to suit our climate. Who There are two varieties of this plant, One will make an experiment in its culture this seacalled the colra, has its leaves covered with short son, and report, a year from next fall, the re-

Concord.

J. R.

For the New England Farmer.

POULTRY, &c.---No. I.

Mr. Editor:—I have been requested several thoroughly worked and pulverized, and well maltimes to state how I manage laying hens when nured with compost. Ashes is found to be an ex-shut up, and with your leave I will do so through cellent manure for it, and very much to increase the medium of the Farmer, if you think any

not be sown too thick. Land from which barley least for ten or twelve hens. Second, their food or wheat has been taken may be prepared by should be corn and oats, in equal quantities, by thorough plowing, manuring, and harrowing to them always; also fresh water, pulverized oyster shells and gravel, where they can obtain them The plants should be transferred from the bed when they require; they should have meat three to the field in which they are to grow, in Septimes a week, or beef scraps, that can be obtained tember and October. When this crop is cultivation of the tallow chandler, one pound of the former ted on a large scale, it is usual to make a furrow or half a pound of the latter, and as often should with a small plow, and against the upright side have raw vegetables, such as cabbage, potatoes, or the furrow place the plants about ten inches carrots, and grass in summer and hay in winter.

To obtain the greatest amount of profit from a hoe level the earth and press it against the plants hen-yard, I am of opinion, from a fifteen years' by the foot. They are then left until the follow-experience, that more eggs can be obtained at a ing spring, when, if the rows are sufficiently dis-less relative expense from twelve hens, or a less tant, a plow may be passed between them, and number, than from a larger one, when yarded the weeds carefully removed by the hoe and the together. Never winter a fowl twice, but kill off at the time they begin to shed their feathers, and supply their places with laying pullets. In in the habit of thinking a life of leisure to be, it the selection of pullets, get a good yellow-legged fowl, of medium size, (avoid large ones,) and make no inquiry about the breed. Setters should be time exempted from labor is occupied in the cultivashut in a lattice coop, open on all sides, and re-tion of the mind and heart, then is such time truly main in the enclosure with the rest, and have saved. plenty of food until she leaves the nest, when she

will soon lay again. The greatest nuisance that I have to contend with, and which I think is the cause of more failures in the management of poultry than all the drinking saloon, or card table, has saved no other causes combined, is the vermin, or ticks, time. His condition would be better were he at that infest their roosts in warm weather. Many his task till bed-time, at his bench or anvil. The doubt their existence because they could never find any upon their fowls. When they get into a building, it is next to an impossibility to eradi-support by a day's labor, and give all his leisure cate them. Various means have been tried to to horse-racing and gambling, has saved no time. exterminate them, and all have failed because of A hard soil and a small return would be a bless-their tenucity of life and small size. It is use-ling to him, if they kept him from evil companless to expect profit or pleasure while these pests ionship. are allowed to increase. As they do not remain upon the fowls any longer than to fill them, to cover cavities previously made with an inch Another remedy is to smear with poor oil once a week, or oftener if necessary. Every person who has a family should keep half a dozen laying hens; they will eat every thing that a pig will, and, if well eared for, are more profitable.

Concord, May 12, 1855.

IT WILL SAVE TIME.

We have always been advocates for the introduction of new machines and implements, for the purposes of husbandry. We have often echoed the popular remark, "It will save time."

It has sometimes occurred to us, that this thought deserved a more careful consideration. What is the object of saving time? Would it be better for us all, if we could have our labor per-the remainder of his waking hours. formed entirely by steam and water-power, and to health and energy of character.

emption from labor would be followed by the do all we can to lessen human toil. worst consequences.

at once have among our citizens a most danger- the laborer. ous element, in a class unemployed in their acpreserve them in a life of leisure.

It seems, then, that however desirable we are is not so under all considerations. Whenever the

The mechanic, who by the aid of machinery, or by double effort, finishes his day's work, so that he has a long evening which he devotes to farmer, who on an easy soil, can earn his week's

But when society has reached that condition, something must be done to keep them under in as it has in most of New England, that our young warm weather, and I have found nothing better men and women are really desirous to improve than the following: Have a smooth roost, and their minds; when they have arrived at the penail a lath or two to the under side of the same, riod, that they desire to increase their knowlauger, where they can secrete themselves when edge, and will devote their leisure hours to books filled; then, once or twice a week, carry out the and the elegant and innocent recreation of music laths and saturate them with boiling water, and lectures and refined conversation, then a partial exemption from toil has become truly a blessing. Severe bodily labor is hardly consistent with the highest intellectual cultivation. To be be more explicit, it is rarely possible for a man to devote many hours in the day to hard work with his hands, and in the same day perform much labor in study, while considerable physical exercise daily is essential to intellectual as well as bodily health and strength. Undoubtedly, most of our farmers, in the summer months, work too hard for the best exercise of their mental powers. Ten hours of labor under our hot sun, in the field, is too much of a tax on one's vital energies to allow him to be a severe student

Then let us endeavor to save time. Let us that we should be exempt from physical toil! make use of plows and harrows of the most apcertainly it would not. A certain amount of la-|proved form. Let us introduce mowing mabor with the hands, as well as the head, is essen-|chines, and horse-rakes, corn-shellers and potatodiggers; let us make the wind draw our water, Again, in a community where the laborers, as and the water drive our machinery, and the in the Southern States, are ignorant, so that they steam take its place at the wheel. Let us, by could not give their time to reading or writing all means, here in New England, where men deand the cultivation of the mind generally, ex-|sire knowledge, and know the value of leisure,

Time saved from bodily labor, and given to ed-In our New England cities, even, were em- ueation, is time indeed saved, and there is a reployment suddenly to cease, though abundant ciprocal action which is working wonders in this means of sustaining life were provided, we should direction, and which is daily tending to relieve

The farmer or mechanic feels the value of eustomed labors, and without the resources to time. He finds it necessary to have some hours for study. He finds the labor of swinging the with a tenth his own former toil, perform his the leading kinds as to numbers. daily task. And so of all other labor-performing machines. They merely illustrate how much better is the mind than the body—how much better educated labor than mere brute force.

For the New England Farmer.

COUNTRY FARMERS AND CITY MECHANICS.

HEALTH.

"How's your health?" is one of our first salutatory expressions as we meet our friends; though the deaths of 7,781 mechanics of all occupations I hardly know why it should be so, when so few are reported, (forty-six more than of farmers.) of us seem to care for health so long as we are whose average age is exactly forty-six years, getting rich. If money can be made rapidly in while that of farmers is a fraction over sixty-four any business or place, few stop to inquire into years—or a difference of eighteen years in favor its healthiness. If large wages are offered by the of agriculture. Accordingly, at twenty years factory or shop, who cares for the poisonous dust of age, a farmer may expect to live forty-four that may ulcerate the lungs, for the cramped po-sition that may inflame the liver, or for the appears to be a great difference in the health of heated atmosphere that must debilitate the whole the various occupations. Carpenters and masons system? The love of life is said to be one of the who work much in the open air, live nearly 50 strongest instincts of human nature, but the years, while machinists, operatives and printers preservation of health seems to be one of the tall considerably short of 40 years.

Last objects of our concern. We follow fashion But it is not my intention to go into the delast objects of our concern. We follow fashion But it is not my intention to go into the de-in dress and diet, and run the race for wealth tails of this subject. My object is simply to urge utterly reckless of the dangers to which we ex- the many farmer's boys who are seriously thinkpose our health.

for argument. There is no body to dispute with. face that, Every body that thinks at all admits farming to be "rather" the most healthy—every body knows that in-door confinement is less favorable to the development of the physical man, and to long | Yet such is the fact, as appears from the pullife, than out-door exercise; that eaged men and lished returns of deaths in Massachusetts for the caged birds are inferior to those who enjoy the last ten years. open fields; that men who work in the shade, Nor is this all. Short life is not the only like potatoes which grow in the cellar, have a penalty for violating the laws of health; but all sickly, unnatural look, and are in fact sickly, the ills "that flesh is heir to" when abused, fol-unnatural things. The fact, then, being admit- low close upon the heels of the transgressor. ted, we have only to consider the magnitude or To wear out in twenty years a constitution that degree of this difference :- How much more healthy was made to last forty, requires no small amount is the farmer than the mechanic?

answer to this important question. The Secretountry boy is not transformed into the pale, detary of the State of Massachusetts compiles an bilitated, city mechanic, without admonitory abstract of the returns, which by law are re-remonstrances of his physical system, by pains quired to be made to him, by each town in the State, of Births, Marriages, and Deaths. This ings." but which he too often attempts to allay abstract is published annually. These statistics by stimulants. And here, by the way, we find are probably collected and arranged with greater perhaps the reason of a fact that has excited some care and accuracy than any others of the kind wonder, viz: that the more unhealthy and shortin this country. The Twelfth Annual Report, or lived any class of mechanics, the more dissipated that for 1853, is before us. We make a few exthey are. The causes which shorten life produce tracts from "Table X.," which gives the result a condition of the nervous system that can scarcely

seythe too hard. He sets his wits at work, and seventy occupations into which "mechanics" are the mowing machine is invented, and his horses, divided, I have selected the following from among

Occupations.	No. of Deaths reported.	Average Age at Death.	At 20 yrs, old,
•			to live
Agriculturists	7 . 735	64.03	
Carpenters	1.127	49.41	29.41
Shoemakers	1.839	43.10	23 10
Blacksmiths	541	51.62	31.69
Painters		42 00	92.00
Masons	273	48.32	98 39
Machinists	268	37.15	17.15
Tailors	192		09.
Operatives		33 17	19 17
Printers		36.46	10.10
Hatters	84	. 53.57	99.65
Tinemithe		(1.11	07.14
THISHITCHS		********	• • • • • • • • • • 1.4.4.4

In the table from which the above is extracted,

ing of leaving the farm for a trade, to take into It is, therefore, with faint hopes of doing good account the subject of health, as well as that of that I commence this article. When I was attempting to show that, notwithstanding all the that you do not do this. When I was making glitter of large wages in the city, mechanics here up my mind to be a mechanic. I compared the in the long run actually come out poorer than ten dollars a month of the farmer with the ten farmers in the country, I expected to be heard, dollars a week of the mechanic—the hard work But now that my subject refers to the compara-and exposure to heat and cold, to dust and mud, tive health of the two classes, who will read! of the one, with light work and comfortable shel-Besides this general indifference, there is no chance ter of the other, without looking the fact in the

> Farmers at 20 years of age may expect to live 44 yrs. longer.
>
> Machinists " " " " " 17 "
>
> Printers " " " 16 " Printers

of headaches and foul stomachs, of darting pains Fortunately we have the means for a reliable and twitching nerves. The full-blooded, stalwart for nine years and eight months, of persons who be endured, but which stimulants will for the have died over twenty years of age—those dying time being greatly relieve. Glass-blowers, prin-younger are not included. From something over ters of morning papers, and others who work

nights, as they rouse themselves from their morn-tained in the volume of Massachusetts Agriculseem to justify them, if any thing can, in taking of degeneracy, remarks, "our native cattle are "a little something" to steady the nerves and to not without great merit." If it be true that, wake them up. The doctor has no patient that amid all the deprivations and hardships they had needs it more. Here is indeed a real "case of to encounter, they still retain "great merit," sickness. But as the remedy touches not the why deny them the power of perpetuating their disease, the patient finds that the more he doses own characteristies? This power is claimed exthe more he must, to keep comfortable. Poor clusively for animals recently imported. Is there fellow, what are large wages to him, now that not something arbitrary in this pretension? ${
m I}$ his medicine has become his master!

undoubtedly many reasons for it, but the want good calf as any other breed of animals. Posof sufficient health and strength is the most con-sibly she may have been so overfed, to increase clusive. Look at a sedentary city mechanic,—a her milk, as to impair her procreative energies; jour. tailor, jeweler, engraver, or painter,—what but such overfeeding does not in the least imcan he do at farming? His hands are small and pugn the principle for which I would contend. delicate, his sinews are unstrung, and every way Equality I readily grant to foreigners—superihis physical system has become unfitted for farm-ority never. ing, in proportion as it is fitted and conformed to the necessities of his trade. He can perhaps sit Remarks.—As we understand it, purity of blood all day long bent nearly double, and by much comes from long and careful breeding of the same practice he can ply the needle, the brush, or the type; if of Devon, then of the best blood of the graver, with wonderful dexterity: but give him an axe or a seythe, or set him at the plow or at Devon, on both sides, for several generations, and building fence, and you will soon discover a sat-so of any other breed. Our common cattle are a isfactory answer to the question proposed, and mixture of various breeds, but that this mixture see why it is very dangerous if not very foolish is not as profitable stock for us as any of the for such mechanics to attempt the realization of their agricultural dreams, although the distance between them and Kanzas "lends enchantment to the view.

We close this article with a brief summary of our argument. Mechanics live some eighteen years less than farmers; many are half dead while they do live; and their systems often be- of the N. E. Farmer for the past twelve months, come so conformed to the peculiarities of their and having derived a great deal of information business that they are good for nothing else, and from its pages, I have come to the conclusion consequently cannot return to the farm if they that my two dollars was a good investment, and are ever so well satisfied that they made a mistake that myself and family cannot well dispense with in leaving it and becoming

Boston, May, 1855. A CITY MECHANIC.

For the New England Farmer.

THE OAKES COW.

FRIEND Brown:--The life-like picture of the learned. most celebrated cow of New England origin, toright of this animal to this appellation.

eties, to see with what avidity all facts tending to my father were of no avail; go to Boston I must, magnify the importance of imported breeds, are so my friends concluded to let me try it. In 1840, seized and published. There is a sort of aristo- I found myself in Boston, without any other ocreport on stocks, from the county of Bristol, con-return home with disappointment; but at last, I

ing map, experience feelings of real misery, which, ture, recently published, the writer, after running if they were not the result of a criminal abuse of down the Devons (first introduced to our shores health that ought to be abandoned at once, would by the Plymouth pilgrims,) to the lowest point have not in mind so distinctly the history of these Since I commenced these articles, one correspondent of the Farmer has asked, and probably judging of a New England cow as I would of a great many readers have thought of asking, any other class of animals, I should say, under Why do not city mechanics oftener try farming, a proper care and keeping, with due regard to if all I say of their hard lot is true? There are her associates, she would be as likely to rear a

For the New England Farmer.

SHORT HISTORY FOR YOUNG MEN.

Mr. Brown:—Having been a constant reader its weekly visits. You will find enclosed two dollars for another year's subscription.

Having seen several times in your paper the contrast between country and city life, some of the circumstances mentioned have applied very nearly to my own case, so much so, that I take the liberty to write a few lessons that I have

When I was eighteen years of age, I had begether with the facts of her history, contained in come pretty tired of working on my father's the Farmer of Saturday last, are the most satisfarm, and being pretty well tickled up with the factory answers that can be given to the inquiry, "What is a native cow?" In view of these facts, quaintance had brought from Boston, I came to there are a few who will presume to deny the the conclusion that farming was not respectable enough, and would never do for me, and that ${f I}$ I have been not a little surprised, in looking must at some rate or other live a city life of inover the returns of our several Agricultural Soci-dependence. All the persuasions and threats of cratic consequence connected with these, not un- cupation than to take my chance as a laborer at like that claimed by the higher classes of citizens anything that should present itself for me to do; in our cities and villages, which keeps at a dis- at this time business was dull, and had it not tance those of humbler origin. In an elaborate been for an acquaintance, I should have had to

a resolution to save my wages, be temperate, and hundreds such during my independent city life. show my relatives that in spite of their perhad taken up barely enough of my earnings to am at last a free man. pay my board and purchase a few clothes, &c. This did not exactly agree with my notions of city independence, for I had worked harder than ever before, spent no money needlessly, and was not so independent after all, but what if taken sick I should find some embarrassments.

I began my second lesson by resolving to colleet my wages as 1 went along, and continued to labor hard, and fare hard, at wages averaging about thirty dollars per month, for four years, occasionally changing places as I thought for my advantage. At the end of this time I found my fortune to consist of about 0, after accommodating a friend with \$140 which he absquatulated with, and paying doctors' bills, &c. All of these expenses I found higher than such usually are in the country among one's friends. This ends lesson second-two rather costly lessons, for me, at least. This I found brought independence and myself farther apart than when I left home and the farm. At the end of seven years, I found myself hobbling about the streets on crutches, having had the mistortune to have one of my legs broken, about fifty dollars in debt and no means to pay, with a wife and child dependent on me for support. Here was a nut for me to erack, which seven years before I had not thought

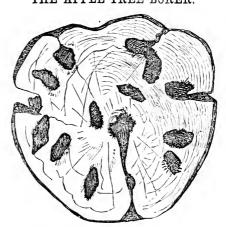
was at stake, and something must be done. I had managed to lay by \$550, and with that I came to the country, purchased a farm of 140 we find the following paragraphs: acres for \$1000, with good substantial buildings, labor night and day, and a little speculation for at night. one year. I managed to use myself about up, and

obtained a situation, not at \$10, \$15 or \$20 per mostly new work for me, still with the advice of week, but at the sum of one dollar per day, and my neighbors, and occasional hints from your papay my own reckoning. This, thought I, at any per, and a few books which I read eagerly, I get rate, is better than digging on a farm for noth-along very well. If I have occasionally a harding, and besides, I am my own master. I formed lift, or a hard day's work here, I can remember

All that I have to say in conclusion is, that I suasions I could live and gain independence in have at last overtaken independence, not in Bosthe city. Well, at the end of one year, I found ton or any other city, but in the blessed country, my gains to be about 0, having lost all of my in the most honorable, healthy and natural occuwages by my employer becoming bankrupt. I pation of man. I have now paid my debts, and

> BENJAMIN F. MITCHELL. Mt. Vernonville, Me.

THE APPLE TREE BORER.



We heard many complaints last year of the ravages of the apple tree borer. In some cases With the help of my friends I now obtained a the injury inflicted was said to be very extensive, situation upon the city night watch, where by and as no remedy appeared to be effectual, the watching when a hard-laboring man needs rest, only course seemed to be to let the enemy have its and doing a hard day's work every day, I mandown way. The borer is, indeed, a difficult foe to aged to earn sometimes as high as the \$15 or contend with, as its ravages are committed out \$20 per week, spoken of in your paper as one of contend with, as its ravages are deposited in the bark of \$20 per week, spoken of in your paper as one of the rare chances which are seldom met with in the city. I lived in this way for three years, do the tree, generally, but a short distance from the ing two days' work every twenty-four hours, ground, and there produce a whitish grub, or with occasionally a fit of sickness, and some of maggot-shaped progeny, which begins immediately the first of the country. Here, between the bark and the sap wood, or in the sap I was in a fix! What! go into the country and wood itself, and often passing up so many times work on a farm! But the welfare of my family as to weaken and finally destroy the tree. In a was at stake, and something must be done. I have article or the splicet in the Ohio Farmer.

What is the Borer? The Borer is the larva, mostly new, paying \$500 down, and experiment-for grub which is hatched from the egg, of a beeing upon the mortgage system for the balance, the belonging to the family of Buprestide, or, Here I took my family in 1853, hired a man, and Buprestians. The beetle itself is about half an returned to the city myself, where by incessant inch long, with brown and white stripes, and flies

When does it lag its Eggs? In the latter part earn \$600, with which I purchased young stock of May, and first part of June, it pierces the bark and farming tools, paid \$300 more towards my of the tree with its spear, and deposits ifs eggs farm, took up the mortgage and gave my note under the bark. This it does near the root of for the \$200 remaining. I then went to work the tree, in perhaps the greater number of cases, upon my farm, completely satisfied with strivin especially in small trees. Indeed some writers, for independence in Boston. Although it was whose observations seem to have been confined to

beetle, state that it deposits its eggs only at the in rural economy. It should be regarded as esroot of the tree. This is a mistake. We have sential in the education of any child, male or fedug them within the last few weeks, from all male. parts of the trunk, from the ground to the branches; they seem to have a special liking for those parts of the tree which are decayed. On the south-west side of the trees where the sun has searched the bark or the wood beneath; also where the bark has been bruised by eattle, or in any other way; also where the tree is naturally weak, and shows signs of early withering and are offered, the beetle seems quite ready to accept they will meet some answering chord in your breast. the invitation, and make its investment. Let no one imagine, therefore, that his trees are free from the borer, because he finds none about the roots; let him examine all parts of the trunk carefully, and especially the weak, wounded, or decayed parts. He may find them in any of these portions of the tree.

Various remedies are prescribed for preventing the moth depositing its eggs on the trees, such as strong potash water, soft soap, and strong tobacco water, &c.; but when it is remembered that the bark of trees, like the human skin, has a very important function to perform, we believe that any thick adhesive substance, like whitewash or clay, is always productive of far more harm than good.

As the borer penetrates the tree, he throws out the chips or borings which he has made-these may be seen and his entrance found, when, with a wire fitted for the purpose, he may, in most cases, be destroyed. But a careful observer may detect the spot where the egg is deposited, even before a chip has fallen, and it is then an easy matter to destroy the eggs. This watchfulness, after all, must be the chief reliance of the far-

The engraving above, illustrating the rayages of the borer, is only one of a number we have preserved. It shows how destructive they sometimes become.

EVERY FAMILY SHOULD HAVE AN AGRICULTURAL Paper.—It is worth more than it costs simply for educational purposes. Parents have hardly a right to deprive their families of its advantages in these times. Children will learn more, as they go to and from school, or drive the cows to pasture, or pick berries by the way, if their observation is quickened, by what they hear their parents read or talk over from the agricultural papers; and when they form habits of reading for themselves, such reading is both safe and useful. Reader, if your neighbor has no agricultural paper, persuade him to take one. Even if he is poor, he can better afford to take one than to do without it; for if he takes one, his chidren will be likely to be better off-to make a good home for themselves, and it may be for him in old age. Not all will have farms; but all will need to know something of the garden and the orchard at least; and we advise no parent, who feels that he may sometime be dependent upon his children, to

one or two classes of operations performed by the bring them up without the means of instruction

THE BIRDS.

To Hon. Charles L. Flint.

SECRETARY OF THE MASSACHUSETTS BOARD OF AGRICULTURE.

Sir: - While fitting my corn-grounds to-day, and listening to the song of the prophetic "Plauting-bird," your issued circular concerning birds came up to mind, and for which please to accept my grateful thanks. The accompanying verses followed my death-wherever any or all these inducements thoughts, and I take the liberty to forward them to you, hoping

BY THE "PEASANT BARD."

Dear Sir :- I read your proclamation With pleasurable admiration. Ye printers, speed it o'er the nation ! May ve who read it, Feel under sacred obligation, When read, to heed it !

The birds! the birds!-what man may know The vast amount of good they do ? E'en the poor bann'd and bandit erow-(Writ calls him raven)-

Once fed a prophet, long ago, By will of Heaven.

Now-days crows pull some corn, 'tis true ; They love it ; so do I and you ; But grubs and worms they likewise view With mouths that "water,"

And wage upon the vermin crew Unflinching slaughter.

Please keep before the people's eyes This truth, of every bird that flies :-Far more of good than evil lies

To their account: The evil's small; no money buys The good amount.

How oft I've quit my toil, and run To see what meant the "slaughtering gun;" And if I found some valiant son

Of blood and Mars Shot birds, his shirt-tail flag was one Of "stripes," not "stars."

What songs with those of birds can vic? From the bright gold-finch that on high Swings its wee hammock in the sky, To the dear thing

That nestles where the mosses lie, And grasses spring.

How blessed 'tis to be awaking To the bird-choir, when day is breaking ! When Phœbus is the west forsaking,

No fine-spun sermon Like theirs, could o'er my soul be shaking The dews of Hermon !

This bright May morn, from shaking spray You bird outpours his PLANTING lay, How sweetly, naively sociably, As late I heard

A dear-loved friend-God bless her?-say, And save the bird!

Sir, count me ready to abet You, in the work to which you're set. I'm loth to speak or pen a threat, But loafing rowdy

Who kills birds on my farm, will get Especial "goudy."

Yours most heartily for the birds,

JUSTAH D. CANNING.

For the New England Farmer.

CHEAP FERTILIZERS.

and rapidly increasing mania for foreign ma-effective method of employing them. nures, which has taken possession of the farming a very considerable sprinkling of humbug, such their application to the earth in a solid form as developed itself in the morus multicaulis, ro- And herein I think they have, to some extent. han potato fevers, &c. Can it be that our re-fallen into error. As compared with the obsources are exhausted, and that we are reduced to wasteful habits of discharging tons of liquid resuch naked poverty in respect of our agricultural fuse, upon a few wheelbarrow loads of loam. operations, that we must needs look to the distant through the sink, or pouring it into some inaccesisles of the ocean, or the scientific combinations sible stone pit, their efforts are entitled to hig of the chemist, for the essential elements of fer-praise as valuable improvements; but as contilization! To answer (as numbers virtually do) trasted with their immediate application to the this question in the affirmative, implies, as it ap-soil, in a liquid state, whenever this is practi-pears to me, a very imperfect knowledge of the cable, they must still be pronounced rude and imessential conditions of agricultural economy, perfect.

while the practical application of the theory in the total neglect, or very partial appropriation of maturials which perfect be appropriation of maturials which perfect be appropriated by the practical appropriation of maturials which perfect be appropriated by the properties of maturials which perfect because of the control of the c

rials, whether in the shape of guano, poudrette, either to a garden, or grass, and the same qualor phosphate of lime, &c. Now is this wise hustity be applied to another piece of equal size, in
bandry? I think not. And furthermore, I am a solid form, and the effects of the former will be are chasing an ignis fatuus, while the substantial. If I have not already trespassed on your pare chasing an ignis fatuus, while the substantial. profitably occupy.

saturating the ground and becoming the dismal regular course of action, extending from the last parent of every disease, or returned with a wise of July to the last of May. hand to the earth in such a manner as shall invig-forms of beauty and usefulness. It is for us to lecide whether the morbid matter of our house-holds shall stagnate in sinks, drains, &c., creating

been much written and said, of late years, concerning the value of liquid wastes, but, as I am inclined to think, with a very inadequate idea of Mr. Editor:—Reflecting upon the wide spread their intrinsic value, or of the most judicious and

Generally, even those who have been most community of New England, the inquiry has strongly impressed with the importance of often risen in my mind whether, in the lar off liquid wastes, have devoted their attention to the search for the means of fertilization, there is not discovery of the best absorbents, with a view to

tion, of materials which nature has placed in abandance within our reach. Such neglect is an obvious to all who give the subject a moment's error which lies at the doors of nearly the whole thought. Liquids are already in the condition The primary want of the farmer, at least here the food of plants. Nothing can become food for in the older States, is manure. From whence, plants except in a state of solution, and liquinand by what methods, can this be most readily are exempt from the waste from atmospheric in obtained, is the problem which he is required to fluence which takes place with solids. A very solve. The method now very generally proposed, simple experiment will settle the matter satisfacnext to the old established appropriations from torily. Let any quantity of solid manure be the barn, &c., is the purchase of outlying matesteeped fully in water, and the solution applied

good, which they want is within their reach, is wasted and lost. With me this rule has all the force of an axiom, namely, that no person should undertake the cultivation of more land than he upon this subject. In the early part of my jarmean enrich sufficiently from his own resources, ing experience I was much perplexed with the to state it in another form—there are placed perpendicular way and open small with the total inclination. Or, to state it in another form, there are placed general, and occasionally with the total, inefficacy within the reach of the farmer ample materials of solid manures when applied as a top-dressing to fertilize all the land which he can fully and to grass hand. Keeping no team, and not being in a condition to expend much for plowing. It is a law of our existence, which we can looked about for a remedy. I had had some caneither alter or set aside, that all which we ab- perionce of the powers of liquid manures applistract from the earth we must return to it again around fruit trees and determined to test them is in some form or other. But although the law it relation to grass. I procured a convenient vesself is absolute, the methods of its fulfilment are for the purpose and caused every species of west essentially within our control. The debt we owe liquid to be thrown into it, and once or twice is the court was the control of the court was a supplying the court was the earth must be paid, but it is for us to deter-day spread it methodically upon my land. The mine whether it shall be paid in such a manner piece I selected was good land, but so exhaus of as to beautify and adorn its surface, or in such a by long cropping that the year previous I hardly way as to multiply its pollutions and increase the considered it worth mowing. Now for the results, whather the constant of the results. The next season the hay on that piece was whether the enormous amount of exuviae, evolved more than quadrupled. I then began to put my by our great cities, shall be suffered to stagnate, ashes into the same receptacle and commenced a

respools offensive to every sense, or poured into in the most effectual manner upwards of an acre the open bosom of the soil to multiply all that and my land thus treated will produce three ton ministers to our physical comfort. There has to the acre, although it has been in grass for

distant from the house; but for those immediately contiguous I say confidently that it cannot be exthose who understandingly avail themselves of this powerful resource will find little occasion, it seems to me, to use Bomner's patent, guano, or any other extraneous manure. Wm. Whiting.

Pembroke, Mass., 1855.

WHAT DOES IT COST TO FENCE THE COUNTRY?

The amount of capital employed in the construction and repair of fences in the United States, would be deemed fabulous, were not the estimates founded on statistical facts, which ad- the highways and our fields, might be dispensed mit of no dispute. Burknap, a well known agricultural writer, says:

"Strange as it may seem, the greatest investment in this country, the most costly productions of human industry, is the common fences, which tending monuments of art, our cities and our the amount of specie that is in it."

pliance with these legal provisions. In some road, are bound to see that they do no is over the passing traveller, adding grace and set right on this subject. beauty to the landscape, and refreshing him with grateful shade.

about old establishments. enclosed a small garden, and after it had grown closures. up to trees, he fenced off another for his vegeta-

teen years, and without addition of seed .- ting a front yard, follow, until an acre or two of This method, of course, has its limitations. It the best part of the farm is cut up like a chequerwould not be available in the case of lands lying board, having neither utility nor beauty to commend it. By and by, the old farm changes celled. Every housekeeper of five persons pro- hands, and the old rubbish is cleared away, and duess annually several tons of this material, and a sudden and almost magical change occurs in the scene. We see, at once, that system has taken the place of accident and caprice, and good taste has triumphed over conformity to old-fashioned notions of convenience.

> We believe that, as a matter of economy, a great change is required in the matter of fences in New England. Fences are for two purposes, protection from cattle and sometimes unruly boys, and shelter from the wind and cold. In the first place, we believe, that nearly all fences between with. But what, then, shall protect us from eattle wandering at large, and from droves passing to market, and to and from pasture?

As to droves of cattle, they are soon to cease. divide the fields from the highways, and separate The railroads convey them, nearly all, and if them from each other. No man dreams that they are still to travel by means of their own locowhen compared with the outlay for those unpre-motives, how much more reasonable would it be to towns, with all their wealth are left far behind. compel their owners to drive them in yokes, or se-You will scarcely believe me when I say that the cured by ropes, or otherwise, than to insist that fences of this country cost more than 20 times the owners of land shall fence them out a road from the place where they are raised, to the mar-In Germany, and many other parts of Europe, ket towns. As to the cows and oxen, kept for no fences are seen for miles, either between the use on our farms, they might easily be conducted highlands and fields, or between the lots occupied in the same way to and from their pastures. by different individuals. In some districts, the Our pastures must still be enclosed. There is boundaries of each proprietor are required by much rough land that can profitably be used for law to be marked by trees, and the owners are no other purpose. But the saving, in dispensing compelled to plant fruit and ornamental trees with the fences about our fields, would be imupon the line of highways against their land, at mense. No amendment of the law of the New prescribed distances, and kept constantly grow- England States, generally, we apprehend is necing. Public officers, at stated intervals, examine essary. Owners are not now obliged to fence and survey the streets and public ways, and re-against cattle in the highways, but persons drivport to the public authorities any failure of com- ing or suffering their eattle to run loose in the parts of Germany, the highways are lined for All that is needed is, that public opinion, which miles with rows of fruit trees, bending with fruit rules everything else in our country, should be

As to shelter from the wind and cold, we apprehend that a rail fence or a stone wall around There seems to be in this country a mania for a field, affords but very little. For gardens and fences. Not only are our fields and pastures en-fields even in exposed positions, shelter is often closed, but divisions and subdivisions of our farms necessary, and fences may sometimes be profitably are made, and in addition to these, small yards constructed with this view. Generally, however, and gardens, close about our buildings, are often a judicious planting of belts of pine or hemlock multiplied till they mar the whole beauty of the trees, on the northerly and westerly sides of our This is particularly noticeable lots, will be found far more effectual and econom-The first occupant ical than anything else, except for very small en-

We see many subdivisions of farms, which tables. Then, from time to time, a small yard seem to us worse than useless. Fields are often for poultry, another for the calves, another for divided into two, three, five or ten acre lots, the house a barn yard, and so on, not omit-which had much better remain in one. This is

often done for convenience in fall feeding, so that and, as I saw on looking nearer, had already dicattle may be turned into the fields, before the vested him of several of his members. They fought crops are off, in the fall. Our answer to this is, manifested the least disposition to retreat. It was that this whole system of fall feeding on fields is evident that their battle-cry was Conquer or die. an error. We believe that it is a fair estimate, In the meanwhile there came along a single red that a good mowing field will, without being ant on the hill-side of this valley, evidently full fed at all, keep in grass better for ten years, than of excitement, who either had despatched his town. Soft lands are almost ruined by the treading of eattle, and the short bulbous roots of the herds-grass are pulled up and destroyed by he was some Achilles, who had nourished his wrath the first part with the same at the part and had now come to avenue or resome his the feeding of neat cattle, that are not provided by nature, with teeth enough to cut the grass evenly. It is better economy to feed our cattle the red,—he drew near with rapid pace till he at the barn in the autumn, than to allow them stood on his guard within half an inch of the thus to injure the crops of future years. We combatants; then, watching his opportunity, he would advise farmers, therefore, rather to resprang upon the black warrior, and commenced move the division fences which they already have leaving the foct of select among his own members; in their fields, to escape the temptation to do in their fields, to escape the temptation to do and so there were three united for life, as if a new what they know to be wrong, than to construct kind of attraction had been invented which put all others, for convenience in feeding their cattle other locks and cements to slame. I should not in their mowing fields.

goet of maintaining our nunceessary fences, and while, to excite the slow and cheer the dying comof the waste of valuable wood and timber used butants. I was myself excited somewhat even as o ceur.

THE BATTLE OF THE ANTS.

aute, the red always pitted against the black, and at least. gions of these Myrmidons covered all the hills and particularly described were struggling, carried it vales in my wood-yard, and the ground was all into my house, and placed it under a tambler on ready strewn with the dead and dying, both red my window-sill, in order to see the issue. Hold- and black. It was the only battle-field which I ing a microscope to the first mentioned red ant, I at one of his feelers near the root, having already and he was endeavoring with feeble struggles, caused the other to go by the board; while the being without feelers and with only the remnant stronger black one dashed him from sale to side, of a leg, and I know not how many other wounds,

have wondered by this time to find that they had their moving fields.

If a fair estimate could be made of the actual eminent chip, and playing their national airs the about them, so that each farmer should know the if they had been men. The more you think of it, amount of his tax annually for this object, we think a great change for the better would soon in the history of America, that will bear a moment's comparison with this, whether for the numbers engaged in it, or for the patriotism and heroism displayed. For numbers and for carnage I was a witness to events of a less peaceful character. One day when I went out to my woodpile, or rather to my pile of stumps, I observed chard wounded! Why here every ant was a two large ants, the one red, the other much larger, nearly half an inch long, and black, fiercely contending with one another. Having once got There was not one hireling there. I have no doubt and rafted on the chins incossnut. Locking for last our ancestors, and not to avoid a three-neury and rolled on the chips incessantly. Looking far- as our ancestors, and not to avoid a three-penny ther, I was surprised to find that the chips were tax on their tea; and the results of this battle cavered with such combatants, that it was not a will be as important and memorable to those whom duclium, but a bellum, a war between two races of it concerns as those of the battle of Bunker Hill,

have ever witnessed, the only battle-field I ever saw that, though he was assiduously gnawing at trod while the battle was raging; internecine the near fore-leg of his enemy, having severed his war; the red republicans on the one hand, and remaining feeler, his own breast was all torn the black imperialists on the other. On every away, exposing what vitals he had there to the side they were engaged in deadly combat, yet jaws of the black warrior, whose breast-plate was without any noise that I could hear, and human apparently too thick for him to pierce; and the soldiers never fought so resolutely. I watched a dark carbuncles of the sufferer's eyes shone with couple that were fast locked in each other's em- ferocity such as war only could excite. They braces, in a little sunny valley amid the chips, now struggled half an hour longer under the tambler, at moon-day prepared to fight till the sun went and when I looked again the black sold r had down, or life went out. The smaller red cham-severed the heads of his focs from their body in had fastened himself like a vise to his advertice, and their still living heads were han lag on the chart of the red than the chart of the red than the chart of the red than the chart of the chart of the red than the chart of the chart sury's front, and through all the tumblings on either side of him like ghastly trophics at his sadthat field, never for an instant ceased to gnaw dle bow, still apparently as firmly lastened as ever,

half an hour more, he accomplished. I raised the equal to thirty-eight bushels of shelled corn. glass, and he went off over the widow-sill in that During this time they manufactured eight cords, crippled state. Whether he finally survived that combat, and spent the remainder of his days in thought that his industry would not be worth well with the horse manure and straw for bedmuch thereafter. I never learned which party ding. They may be accounted with as follows: was victorious, nor the cause of the war; but I felt for the rest of that day as if I had my feelings excited and harrowed by witnessing the struggle, the ferocity and carnage, of a human battle before my door .- Thorcau's Life in the Woods.

For the New England Farmer.

THE PROFIT OF FATTENING SWINE.

In the Monthly Farmer for April, 1854, there are statements over my signature relative to the profit of fattening swine in New England, together with hints as to the proper mode of conducting the business; and in the following number for May, there is a shorter article, confirming the statements previously made. Since writing these articles, I have further investigated the subject, in order to prove the soundness or otherwise of the views then presented.

On the 21st of December, 1854, I bought four very lean shoats, weighing respectively, 63, 61, 60 and 58 lbs., or in all, 242 lbs., gross live weight. They were placed in warm apartments, consisting of a pen for making compost, and an e ating room. The litter made by two horses was daily thrown into the compost pen; also, about every third week, a cord, or two loads of either muck or forest-mould was put into the pen; and clean straw was added, at suitable times, for bedding. The pigs were fed on meal made by grinding ears of corn, or on what is called corn and cob meal, and they were supplied with all the meal they would eat with a good appetite. Immediately after feeding them at a given time, the meal for the next feeding was placed in the bucket, and boiling water was added, and also after awhile the wash of the kitchen, the whole standing in a warm place till the time for feeding, and the meal becoming thoroughly soaked ears of corn was to be carried to mill to be ground for the pigs, the same was accurately measured up in a basket, well known to hold the right quantity of ears, when even full, to make a bushel of shelled corn; and the pigs were charged with each grist at the time it was measured. Entire accuracy was aimed at in keeping the account with the pigs, and I know of no chance for a slip in the accounting.

The business was thus conducted till the 14th of the present month, when the pigs were sold to the butcher for eight cents per pound, dressed,he charging three dollars for slaughtering the

to divest himself of them; which at length, after consumed seventy-six bushels of corn on the ear, some Hotel des Invalides, I do not know; but I quality of compost, mingling the raw materials

\$25 lbs. of dressed pork, at 8c. per lb	.866.00
Deduct 76 bu. ears of corn, or 38 bu. corn	
consumed, at an average price of \$1.25 per bu\$47.50	
Deduct paid for slaughtering3.00	
" paid for pigs at outset, \$3.0012.00	62.50
Balance over market price of the corn	3.50
Add 8 cords, or 16 loads of raw material	
manufactured into compost, worth a bu.	
of corn, or \$1.25 per load20.00	
From which, if you please, deduct the cost	
of supplying the material, say 50c. per	
load, which is rather high	12.00

Profit on four pigs, over and above market

value of corn consumed ...

With regard to the price at which the corn is charged to the pigs, I have to say that in January the thirty-eight bushels could have been bought for a dollar per bushel; and at less than a dollar and a quarter as late as March, though now corn is worth more than the price charged the pigs.

It will be found on calculation that these pig gained some over fifteen pounds of net pork fo each bushel of corn consumed; which argue pretty well for the mode of feeding, and for th business of converting corn into pork and com-

Another year's practice and observation has not disclosed any thing material for me to deduct from the views formerly advanced as to the policy and profit of fattening swine. I still entertain entire confidence in the desirableness of the business, when conducted with system and propriety. Indeed, I have never seen the year in farming when I was not well paid for fattening pigs of a good breed, fairly reckoning their services as manufacturers of fertility for the land. In my judgment, it is sounder practice for the farmer thus to add to his means for making crops and keeping his lands in good heart, than by buying the fashionable concentrated fertilizers of the and very much swollen. Whenever a grist of day, which too often merely stimulate the present crop, and leave the land no better than they found it.

> Notwithstanding the great prejudice existing with many persons against the grinding and feeding of the cob with the corn, it is sufficient for my purpose to know, as I do by repeated trials, that corn and cob meal, properly ground and cooked, will make from twelve to sixteen pounds of net pork for each bushel of corn con-F. Holbrook.

Brattleboro', May 22, 1855.

The Jujube-tree.—The seeds of this tree were four. Between the dates above named, the pigs imported a short time since from the south of Europe for experiment in the south. It grows in greens, and for two successive years, after my utwell as in the form of a delicious paste.

For the New England Farmer.

CHARCOAL DUST.

Mr. Brown: - At one of the agricultural meetings at the State House, last winter, I was much sorry that a more free use of charcoal dust re-interested by the remarks of the speakers; some cently, in this vicinity, has advanced the price of new ideas, to me, were advanced, in regard to the article. Our colliers now charge \$5 per cord, guano. But I was particularly pleased by the but think it will pay even at that price. A. R. earnestness with which a more careful saving of "home manures" was urged, with which to form a fertilizing basis and furnish an absorbent for the gases. One of the most important agents for these purposes, in my experience, was but slightly alluded to, viz: charcoal dust. If you will per-lumns of your paper, to urge upon my brother mit, I will relate one of my experiments, and its farmers, the importance of turning their attention results, with charcoal, and you, of course, will to the raising of roots more extensively for the dispose of the statement as you deem proper.

this heretofore barren spot into a state for culti-purpose. vation. The cutting was from 2 to 6 feet deep, was still elevated above the adjacent lands. The do but little farming and who keep but a single bed of this plat was coarse sand and full of "cob-bles." Having on hand a lot of meadow muck, that had been decomposed with shell lime and whether he belongs to any other class, he has a salt brine, I took of this 40 cart loads, 10 loads common interest with those who till the soil, and sandy loam, 21 cords of charcoal dust, and threw should co-operate with them. into a heap. Into this 1 put 15 barrels of liquid I would propose to all such to plant one-eight from gas works, working over the mass and mix- of an acre of carrots, as soon as the ground is in ing thoroughly. After standing four weeks, I dis- a suitable condition to receive the seed, that is as tributed the heap evenly as possible over my soon as it is warm and dry. The labor of cultipiece. Then plowed and cross-plowed, to the each of ten inches, and harrowed until the whole if a fair yield, will be a hundred bushels or more. was well mixed with the sand bed, and sowed to This would give a cow a half bushel per day—two The oats came up finely, grew stout, but were in-jured by rust. The grass was a poor eatch and I the owner find his reward, I do not ask who will again sowed and raked in seed in the fall. The try it, but I do ask who will fail to do so.—Granfollowing season, where the seed took from the ite Farmer. first sowing, I cut a heavy crop of grass.

particular fondness to twine among it.

the form of a shrub, of middle size, bearing a red most skill in setting, the trees would die out oval fruit, about as large as olives, inclosing a wholly or in part, seemingly from the effects of stone of the same shape. They are sweet, but the hot, dry seasons. Last spring I again set out only eaten among us in the from of a paste. In Al-50 Norway spruce, fir balsam, white pine, &c., giers the fruit ripens in the month of June, and dug large holes, and in part mixed in with the is much sought after by the inhabitants, who con- loam two bushels charcoal, bringing a portion of sume large quantities, both fresh and dried, as the coal near the roots of the trees. I used equal care in setting, but in the fall almost every tree, where no coal was put, was dead or nearly so, dried up. While every tree to which I applied the dust was alive and vigorous. I have also used charcoal in setting fruit trees, hedges, &c., in dry places, and am satisfied with the result. I am sorry that a more free use of charcoal dust re-

Lowell, March 1.

A HINT.

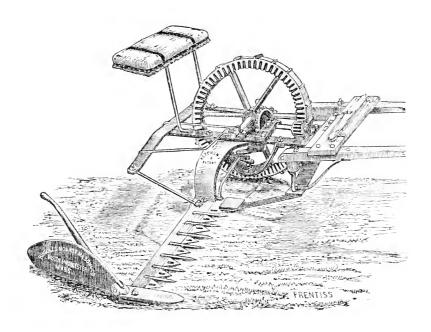
Friend Adams:—Permit me through the colpurpose of wintering stock. The searcity and In the winter of 1852 I carted off the top of a consequent high price of hay, and grain, if there high knoll or ridge that extended through a piece were no other reason, should induce every man of land I had recently purchased. My object was in the state who has an acre of land or even less, to bring the land into better shape and to put to set apart a portion of it for that particular

I wish more especially at the present time, to leaving a level plain of about half an acre, which call the attention of that class to the subject who

oats, with timothy and clover, first week in June. hundred days or more than half a year. I have

Last spring the grass had got well eatched, A FACT IN REGARD TO DRILLING WHEAT.—We started early, and was marked by its dark green wish to record a fact which seems rather remarkand fresh appearance all through the dry season, able in regard to drilling in wheat. We sowed I took off two crops of grass, both averaging 4 about nine acres last fall, with one of Ross' Drills, tons to the acre. During all the dry weather and some three acres among corn, with a three this spot did not seem to suffer in the least by shovel cultivator. Of the former, we have not drought, notwithstanding its high altitude, and noticed a single plant heaved out with the frost while on low grounds in the vicinity vegetation during the winter, though a part of it was sown was completely dried up. This good result I attributed mainly to the coal dust, for wherever I turned up the earth, on this piece, and found the greatest mass of coal, there I found the most winter a decidedly poor prospect. But that sown paisture, and the coal dust, for wherever I winter a decidedly poor prospect. But that sown paisture, and the coal dust, for wherever I will be come and the coal dust, for wherever I that among the corn, and presented in the early greatest mass of coal, there I found the most winter a decidedly poor prospect. But that sown paisture, and the coal dust, for wherever I that among the corn, and presented in the early greatest mass of coal, there I found the most winter a decidedly poor prospect. moisture, and the grass roots seemed to possess a among corn is badly killed with winter, many rticular fondness to twine among it.

My faith in the utility of coal dust, for dry places, it seems almost entirely ruined. It is the lands, has been strengthened also, by using it in same kind of wheat as that which was drilled. setting trees. I have an elevated and sandy place, Our readers may draw their own conclusions.—where I am desirous to grow a "belt" of ever- Indiana Farmer.



KETCHUM'S ONE HORSE MOWING MACHINE.

others were disappointed in the results, and a few well as is done with a scythe by the best mowers." abandoned them as being utterly incapable of confering any advantage to the farmer over the old giving the testimony of others rather than express mode of cutting with the seythe.

Our own belief has always been, that the maehine would be so improved as to come into general use, and prove highly serviceable. This opinion has been greatly strengthened recently, by an examination of two or three different kinds of machines, and noticing obvious improvements over those of the same manufacturer presented last year.

The cut at the head of this article represents one of Ketchum's one horse mowers—it cuts a 30 acres of interval land. two horse, and if it proves well, will become a popular, and a great labor-saving machine. Messrs. Ruggles, Nourse, Mason & Co., Proprietors of the right for New England, say, in a circular they entire frame work and finger-bar of wrought iron land. instead of wood (as represented in the cut above) 1 apprenenced unicontain instead of wood (as represented in the cut above) 1 apprenenced unicontain the peculiar character of the

Mowing machines were introduced, and used in the two horse machine capable of cutting and various parts of New England last year, and with spreading, with one span of horses and driver, varied success. Some being highly pleased with from 10 to 15 acres per day of any kind of grass, the work which they were made to perform, while heavy or light, lodged or standing; and do it as

> Not having used the mower ourself, we prefer opinions of our own.

> WILLIAM S. LINCOLN, Esq., of Woreester, and one of the best farmers in the Commonwealth, wrote last year as follows:

> > Worcester, Aug., 1854.

Messrs. Ruggles, Nourse, Mason & Co.:-Gents.,—Agreeable to your request I return to you the One Horse Mowing Machine left with me for trial, and in doing so cannot refrain from giving my voluntary testimony to its great value.

The machine was used by me to cut over about The grass was in many swath three feet wide, is much lighter than the places heavy and lodged, the bottom fine, soft and very thick. In some few places it was a light crop of fine flexible dried grass, which yielded before the scythe. But whether in heavy thick bottom or badly lodged, or in the places of lighter yield, it cut alike well and close-closer indeed have just issued, that they are constructing the than I deemed desirable, or deem well for the

I apprehended difficulties in the operation of which adds much to the strength and perman-surface of the land. It is an irrigated meadow, ence of the machine, while the weight is reduced not graded, intersected by ditches of different about 200 lbs. Again, they say, "We warrant width and depth, running in different directions,

is sufficiently heavy to operate it.

After all I have said, perhaps you will find the best *evidence* of my perfect satisfaction with the machine in the order for one which I now give my entire satisfaction with its operation, and of my sincerity in the above.

Yours truly,
WILLIAM S. LINCOLN.

In relation to the two horse mower, Gen. Sutwithout receiving material benefit, says :-

"I can only say that your mower operated to my entire satisfaction, and I have no hesitation up than when exposed to the full rays of the sun. in recommending its use to any farmer who has a large quantity of hay to cut.

I worked it altogether with oxen, upon ground of various surface, and found it to be eminently a labor-saving machine, economical and profitable.

I am with respect, truly yours,

WM. SUTTON."

chines, should not be discouraged if it does not trial; a little oil and a little patience may bring nutriment which they respectively supply. every thing right at the second trial.

The manufacturers state that the mowers they are constructing this year are made from entirely cular the following schedule of sizes and prices.

We construct three sizes, as follows:-

		One horse Mower, 3 feet cut,Price, \$90 00
No.	1,	Two horse Mower, 4 feet cut
**	2,	Two horse Mower, 4 ft. 8 in. cut,
66	1,	Two horse Mower and Reaper combined120 00
6.6	2,	Two horse Mower and Reaper combined. 130 00

Cutters, 2 Fingers, and Wrench. Machines delivered at Boston or Worcester.

RUGGLES, NOURSE, MASON & Co.

For the New England Farmer.

TO GET POOR LAND INTO GRASS.

Mr. Editor:—Will you allow me to make a enormous in price, lose more than three-fourt few inquiries through your valuable paper? I of their substance, and are the dearest kind have a piece of land, the soil a sandy loam and food which can be used.—Philadelphia Ledger. somewhat exhausted. I wish to reclaim it to

used for carrying on to its surface the waters of loads of muck, and twenty-five loads to the acre; the "Blackstone." Yet notwithstanding these plant with an early kind of corn, and as soon as obstructions the mowing was done to my entire the corn can be harvested, plow again and sow down to grass. Any remarks on the above plan, I may mention perhaps that I used different especially as to the quantity of lime in the comhorses at different periods of the trial, and am post, the quantity of plaster to be applied to the satisfied that a good horse of between 10 and 1100 acre, and as to the probability of getting a growth of clover, would be very gratefully received by a Amherst, N. H., 1855. NEW BEGINNER.

Remarks.—We think your experiment would you. At any rate, it is the best test I can offer of be a judicious one. The quantity of lime you suggest is enough for one application, though many persons use a much larger amount. We would suggest that you cultivate the corn crop flat, instead of in hills, and at the third hocing TON, of Salem, a farmer whom no one can visit sow the grass seed and rake it in: then you have your field stocked down. The grass seed, being shaded by the corn, is much more likely to come

NUTRITIVE QUALITIES OF FOOD.

The excessive dearness of all kinds of food should induce not only habits of economy in its use, but should lead to the adoption of those articles of food for the table which are the most Numerous other certificates are given from nutritious in their quality, and which, fortunatepersons competent to judge of the merits of the ly for the laboring classes, are the cheapest in mower. Those not much accustomed to ma-price. Many persons go on in the old way, when food was plentiful and cheap, and use what costs come fully up to their expectations upon the first more wholesome articles of diet, considering the nutriment which they respectively supply. The them nearly four times the price of better and comparative quantities of nutriment contained in the principal articles used as food have been tested by strict chemical analyses, and some very excellent books on the subject have been published, new patterns, and that they are simplified and and ought to be studied in all communities where improved in many ways. They add to their cir-the laboring population predominate. It would teach them to discriminate between the various articles of food, and be the means of introducing more generally among them the use of articles of a much better quality, more wholesome, and far better adapted to supply the wastes of the sub-

the best scientific sources, commend themselves to general attention for their value. It will be seen here what articles are the most nutritious. White beans, corn meal, wheat flour, barley meal, and rice are shown to be the very best kinds of food, and these are the very kinds which are the cheapest to purchase and use. Potatoes, which are enormous in price, lose more than three-fourths of their substance, and are the dearest kind of

"It is proper to state that the articles were all grass as soon as possible, and not having much reduced to a perfectly dry state by evaporating manure, I have thought of the following plan, the water they contained, and then subjecting viz:—plow the land in Angust, give it a thorthem to careful chemical analysis. The followough dressing with plaster, or plaster and ashes, ing table, divided into three parts, animal food, sow to winter rye, with about ten or twelve vegetable food and fruit, shows the quantity of pounds of clover to the acre. When the rye is nutritive matter and of water in each article, and, taken off plans it there we have the poet we show the taken off, plow it thoroughly, and the next spring by comparing one article with another, shows the manure with a compost of swamp muck and comparative value of each as food. But as all the time, at the rate of about one cask of lime to five elements of nutrition are not of the same value, it

must not be inferred that an article that contains a large quantity of starch, for example, is more nutritious than one that contains a small quantity of animal fibrin and no starch.

Both starch and animal fibrin are elements of nutrition, but they are appropriated by the animal economy to very different purposes; the former to the formation of fat and animal heat, and the latter to the supply of all the tissues, bone, musele, &c. The two elements are required in very different proportions, also, in forming food, bread alone,") with its 15lbs. of vegeto-animal matter (gluten,) and its 50lbs. of starch of 35 lbs. of water, forms a composition of nutriment more nearly complete than any other substance. Starch is required in a much larger proportion than gluten in vegetable nutriment, and it is furnished abundantly in all kinds of grain, beans and potatoes. If potatoes contained a small proportion of gluten, say 5 lbs. to the 100 lbs., then their nutritive property would compare that of wheat flour in the proportion of 221 to 90. That is, potatoes would be worth just one quarter as much by weight as wheat flour. But as they contain no gluten nor caseine, and very little albumen, consequently little if any of the elements of proteine, a larger quantity of animal

ANIMAL FOOD.

100 pounds	fresh	Beef con.,	26	lbs.	nut. mat.,	74 lbs.	water.
	6.6	Veal,	25	6.6		75	66
4.	66	Mutton,	29	"	"	71	66
"	66	Pork,	24	66	44	76	66
66	66	Fowls,	26	to 3	0 "	70 to 7	4 "
44	66		18	to 2	0 "	80 to 8	2 "
"	66	Milk,	71	6.6	"	921	66
44	66 W	hite of Egg,	14	44	44	86	"

VEGETABLE SUBSTANCES.

100 pounds	Wheat Flour c.	90	lbs.	nut. mat.,	10 lbs.	water
"	Corn Meal,	91	66	"	9	44
66	Rice,	86	"	"	14	"
46	Barley Meal,	SS	66	4.6	12	66
"	Rye Flour,	79	46	66	21	44
"	Oat Meal,	74	44	44	26	"
44	Potatoes,	221	. 66	44	771	66
"	White Beans,	95	"	46	5	66
66	Carrots,	10	44	"	90	"
44	Turnips,	43		46	951	"
4.6	Cabbage,	71	44	66	924	"
44	Beets,		"	"	85	"

FRUITS.

100 pounds	Strawberries c.	10	lbs.	nut. mat	90 tbs.	water.
""	Pears,	16	46		84	"
44	Apples,	17	66	6.6	83	"
"	Cherries,	25	44	44	75	"
"	Plums,	29	44	"	71	"
44	Apricots,	26	66	44	74	46
66	Peaches,	20	66	44	80	66
"	Grapes,	27	44	66	73	
44	Melons,	-3	66	46	97	44
"	Cucumbers,	$2\frac{1}{2}$	66	"	971	"

N. B. It must be borne in mind that the animal substances were all clear of bone and fresh, the vegetable fresh and deprived of skins, &c., and the fruits fresh and perfect. It will be perceived that mutton is the most nutritious, as it is acknowledged on all hands to be the most wholesome of all animal food; that while beans are the most nutritious of all vegetable food, and plums are the most nutritious of all fruits; that fish is the least nutritious of solid animal food; bers the least nutritious of all fruits.

For the New England Farmer,

LETTER FROM MR. FRENCH.

Washington City in Spring-time—A Glimpse of the Commissioner of Public Buildings at Home—City Inprovements—Capitol—Patent Office—A Virginian's Opinion of the Yankees—Deep Plowing—Mr. Clagett's Farm—Seventeen Year Locusts— Fruit Prospects.

City of Washington, D. C., ? May 12th, 1855.

Dear Reader: - Washington is a lovely eity in the spring-time, especially when not beclouded and hence bread (though "men cannot live upon by the session of Congress. Having given in the Farmer some not very attractive pictures of the market, and the agricultural specimens in the streets, I feel now, when the leaves are already developed in full beauty, and the roses are beginning to unfold their buds, and the newly-mown lawns of the Capitol grounds are looking soft and green, like carpets of velvet-I feel now, when at the North a cold storm of mingled rain and snow has just passed by, as if I owed an apology to this more Southern elimate, for any expressions of disrespect I may have been "left" to drop in relation to it. Forgetting then the donkeys and darkeys, the scorehing heat of last July, food of some kind is required to be combined with the thermometer at 90 day and night, for most with them than with bread, in the formation of of the month, the crisped leaves and scared grass of that season of drought, let us take a more agreeable view than either summer or winter can afford us, of Washington in the spring. Looking out at this moment, from the library of a friend on Capitol Hill, into his garden at the rear of the house, I behold an arbor constructed with his own hand, completely covered with roses and honeysuckles and the Washington bower, intertwining their long pliant branches, and throwing out at the top a thousand waving shoots tipped with the bursting buds. Close by is a fountain, throwing high into the air a jet of pure water, sparkling in the light of the setting sun, and falling with a cool and pattering sound into the pool about it, while the children, playing upon the brink, now are watching the gold-fish and now pursuing the humming-birds; and my friend and brother, sitting on a rustic seat near by, with book in hand, finds little time for reading, but much for the enjoyment of the work of his own hands, and of hers, the divinity whose taste has directed the planting of the flowers, the training of the vines, and the wanderings of the walks among them. This is a rational happiness, the enjoyment of nature herself, which one may find if he have the taste for it, without unreasonable cost, in the immediate neighborhood of the Capitol itself.

The growth of trees, vines and shrubbery, is much more rapid here than in New England, so that one may create with nature's ready aid, a wilderness of foliage and flowers under this warmer sun, while at the North, his trees planted at turnips the least so of all vegetables, and cucum-the same time would have scarcely recovered from the shock of transplanting.

inhabitants. Its "magnificent distances" are work as a slave! under the direction of the lamented Downing, Sunday and Friday. and Lafayette Square in front of the President's sons upon the public streets, under the direction trees appear to be judiciously selected, carefully of the Commissioner of Public Buildings and pruned and protected, and making a growth far brother before mentioned. Verily, there are has already 2500 apple trees, 450 pears, 1600 pleasant views that we may take of this goodly peaches, 150 apricots and as many plums. eity, and no one can fail to be impressed with the citizens.

pendent. He said he thought one free laborer at dant crops.

Washington now numbers about fifty thousand the North performed about three times as much

fast filling up with dwellings and public build- Good husbandry and energetic farming, are, ings. The new wings of the Capitol, and the however, not limited to New England men. I new dome to be added, will make it the most yesterday accepted an invitation from a leading magnificent edifice upon the continent. The Pa-Imerchant of this city, Mr. Darius Clasgett, to tent office, built of white marble upon a basement visit his farm on the Rockville plank road, about of granite, is a structure of which any nation five miles from Washington. His family reside might be proud. The broad grounds of the on the farm in summer, and Mr. Claggett him-Smithsonian Institution, laid out and planted self comes to his city business every day except

I have rarely seen a place which gave so decidmansion, the work of the same master, are con-ed evidence of good taste and good judgment, and stantly proclaiming the triumphs of his art and withal, of such persevering faith in our good genius. "The circle" of about one and a half mother earth, as this. Six years ago Mr. Clagacres, near Georgetown, and the triangular gett purchased three hundred acres of land, mostspaces laid out by George Washington himself, ly covered with a small growth of yellow pine enin his original plan of the city, are now under-tirely unimproved. In this short period of time going improvement and will be soon rescued from he has cleared and put under the plow one hun-"the reign of the bare and the bald," and made dred and fifty acres, a large part of which is covgreen and beautiful. More than five thousand ered with a choice variety of fruit trees of all detrees have been planted the last and present sea-[scriptions that the climate will produce. His Grounds, who is no other than the friend and beyond what I have ever seen at the North. He

The apple trees are set forty feet apart, and foresight and wisdom and faith of the Father of the land among them planted with wheat in his Country, as the beauty and symmetry in the drills, with bare strips of a few feet in width plan of the town generally unfolds itself to meet along the rows. They are making generally a the increasing wants of the government and the better growth than we get in New Hampshire. I saw upon them marks of our old enemy, the bor-But, it is not in the city alone, that improve-er, and far worse marks of the seventeen-year-loment is going on. Upon all the principal thor-eusts of 1852. According to the theory, they oughfares into the country, the value of land for will not be here again until 1869, by which time its products is beginning to be appreciated. Alour friend will, it is hoped, have been paid by thorough and intelligent cultivation is finding a the fruit of his trees for all his labors. He said profit where shallow plowing and shallow plow-that when the locusts had possession of his trees, men could not find a subsistence. I have before he could scrape from the body of a newly-set apgiven you a sketch of one of these improved ple tree a pint of the insects at once! His pear farms, owned by Mr. Morrison, a native of New trees, however, far excel his apples. Indeed, I Hampshire. The Yankees are doing wonders have never seen so large a number of pears toboth in this region and many parts of Virginia, gether, that appeared so healthy and as we say at upon what were considered worn out lands. Λ_1 home, so thrifty as these. I saw no sign of the Virginia gentlemen whom I met recently in a sap-blight or winter-killing, but the trees seemed railroad car, informed me that in his own neigh-full of life, and many of them were full of fruit borhood, Northern men were setting a valuable already set. The peach orchard is already set example, and that he himself had adopted the for a large crop. In 1853, Mr. C. sent to the new idea of deep plowing, and was getting eight market 700 baskets of peaches, and his crop this barrels or forty bushels of corn, where he former- year will probably far exceed that quantity. He ly got but three or four barrels. He said a few has this year in grass, about 20 acres, in wheat years ago a negro and a man were the only force about the same, in corn about 40 acres, and in used to plow for corn, the plow being run from potatoes, about 12 acres besides large tracts of two to three inches deep. He had been travelling vegetables and small fruits, among the rest two in New England, and spoke highly in praise of acres of strawberries. He manures all his crops the energy and industry of the people, which he with Peruvian guano, 300 pounds to the acre, thought on Virginia soil would make them inde-plowed in, and thinks this will insure him abunmay produce satisfactory results in agriculture. Still it is a business not learned in a day, and I friend's remark, that "Farmer Claggett owes good farmer aims to go ahead. merchant Claggett a good deal of money."

Such men, however, are public benefactors. They inspire others with faith in labor, and faith in the heritage which a good God has given us, and if they expend money in the experiments, they derive from them the rational satisfaction that they leave the earth better than they found H. F. French.

For the New England Farmer.

SMALL POTATOES.

Mr. Editor:—We cannot be surprised at the different theories and conclusions among men, in matters of religion, law, politics, &c., for reasons that selfish aims and party ends are sometimes objects to be carried without reference to virtue or beneficial objects for public good. But in matters been exceedingly harmonious on the one hand, or be quite common in many localities. over abundant on the other, to have given 100 bushels all small potatoes. I should attribute to correctly label their trees, as it is a disappointother causes rather than "large" seed, and then the singular metamorphoses of the large potatoes turning into small ones, and the small ones to beduce a different kind from what it was purchased retained its vitality, which had been acted upon agation previous to bearing, the evil might be by wet or drought the first season.

small vines and smaller potatoes could be expected whom we can place the most implicit confidence, from such a crowded hill? Why is a large potato "an artificial growth" any more than a have used the utnost vigilance; but to make as small in the same hill with the same advantages few as possible should be the constant aim of all to grow? So S. P. garge "the potation would be appropriate of finite." to grow? So S. P. says "the native growth of propagators of fruit. the tuber is small." This we admit if he refers Leominster, May, 1855.

Mr. Claggett has been for thirty years in his to the ball seed, which requires 3 or 4 years to counting-room, and never owned a farm before. mature. The farmer wants the potatoe fully de-Indeed he informed me that he never saw a plow run in his life until he saw his own, on this farm. His labor is performed by a foreman, a native of best developed seed. In planting small potatoes the district, and six laborers, mostly Irish, with these pertinent questions arise. Do you winnow two yoke of oxen and three horses, a force by the out your small wheat, barley, rye, oats for seed? way, entirely insufficient to perform such mighty Do you sow inferior grass seed and clover? Do way, entriery insumerent to perform such linguity you save your small melons, cucumbers, squashes works on New England soil. I did not see the and pumpkins, for seed? Do you trace up your foreman, but cannot help suspecting that he is a small ears of corn or take the tips for seed? Do farmer of the right stamp. I have good faith in you set out small beets, carrots and the like, to the success of any intelligent man who will read gather seeds from? Do you go into the nursery and inquire, and spend his money freely that he and select small, unpromising trees for your orchard? Do you save your smallest calves, pigs, lambs or fowls, to propagate from? I need not multiply the chances which would seem to be a have no reason to doubt the correctness of our violation of the common rules of progress. Every

Again permit me to refer to the Long Island farmers, who plant their largest potatoes and cut off the seed end, to avoid small ones. In digging time no one would endorse the "depreciation theory" of planting "small potatoes" if they could witness the large mercers threwn out with scarcely any small ones.

As before stated, I hope fair tests will be tried. Several years experience satisfied me, when sorting for the bins, half being small, that "small potatoes" returned small potatoes. Hence I am at issue, even if alone, with all small potatoe ad-Respectfully, vocates.

Brooklyn, L. I., May 19.

For the New England Farmer.

LABELLING FRUIT TREES.

Fruit trees should be distinctly labelled at the of the mechanic arts and of farming there is but time they are planted out, and when intended for one right way, to be profitably pursued, however an orchard, or where there are several together, one right way, to be profitably pursued, however much practice may vary. I respectfully beg to differ widely from your correspondent, S. P., and also your own "remarks" in encouraging the planting of "small potatoes." Experience has been my schoolmaster. "S. P." does not say, when the "large potatoes" were planted, that gave his father "100 bushels not large enough for the table," whether the season was one of much vet or extreme drought. Nature must have much wet or extreme drought. Nature must have unknown to the owner, although the variety may

Nurserymen should be exceedingly careful to come large again, shows the original large seed for; and should scions be taken from it for propmuch extended.

Now the farmer who planted "large potatoes" without cutting (at the time the "robin's egg" size were planted,) over-seeded to excess. While 5 stocks to a hill is a full compliment, some 20 to 30 sprouts came from a large potatoe. What but obtained from others it should be from men in when we can place the most implicit confidence. O. V. Hills.

For the New England Farmer.

have taken the liberty to send you a copy of my peach, which has not yet, to my knowledge, been scribbling on "Spring." It is a homely production, I am well aware; but if you think it is not All the surplus produce raised by the farmer to see it published.

Yours respectfully, MYRA MYRTLE.

SPRING.

The paets they sing of the beauty of Spring, But they don't sing you half of the story ; The poets they tell of the flowers in the dell, But they don't tell you half of Spring's glory.

Why! each old granny goose and the hens on the roost Know full well when the Spring time is coming; So each builds her a nest, and then lays like "possessed," Sits, and soon with her young is seen running.

There's the litters of pigs, dancing gallopade jigs To music of their own creating;

There's the old turkey gob, strutting round like a "snob," On his flocks of young long-legs is waiting.

Then the calves in the stable, fat and plump for the table, Are a part of the beauties of Spring;

And the flocks of young lambs, frisking after their dams, Ah! their bleatings make music again.

The wild geese flying o'er to some far northern shore, Crying on, on, as onward they fly;

The old mother hen's clucks and the quacking of ducks Is music to both you and I.

Yes, the poets they sing of the beauties of Spring, But they don't sing you half of the story ; The poets they tell of the flowers in the dell, But they don't tell you half of Spring's glory. Somerset, Mass.

For the New England Farmer.

THINGS IN WISCONSIN.

Mr. Editor:—A communication from my pen appeared in the columns of a late number of your paper, the result of which is that the last two mails have brought me about fifty letters of in-satisfactory to all inquiries, I close. quiry, all requesting information of a character so similar, that, with your permission, I will give a general reply through the medium of your paper. I design to be as brief as possible in replying to the questions proposed, and my communication must necessarily appear somewhat incoherent, except to those particularly interested.

timber land, in juxtaposition, can be found in said that "one swallow does not make a sunlarge quantities. There is plenty of wood for mer." I confess, that I was a little started at fuel and fences. No coal has yet been discovered the assertion, without any note explanatory. I in this vicinity. The soil is a dark loam, per-think the cautious editor of the volume would

feetly free from stones, easy of cultivation, and Mr. Editor:—My husband has for several adapted to wheat, corn, rye, oats, barley, potatoes, years been a subscriber to the New England Far- &c. Fruit, of all kinds, will grow here as well mer, and I am a constant render of its pages. I as in any part of New England, if we except the

too late in the season, and is any way worth a can be sold at his door, and is consumed by implace in the corner of your paper, I shall be glad migrants and laborers in the pineries. There are no houses ready for the reception of immigrants. Two men, in two or three days, will throw up a log cabin, or a board shanty, that will be tolerably comfortable, and such are in general use in all new countries. Lumber can be obtained at \$22 a \$25 in the yard, and for \$14 a \$16 at the pineries on the Black and Chippewa rivers. The country is generally healthy. Most of the diseases are connected, more or less, with biliary derangement-some cases of fever and ague, but healthy immigrants are seldom troubled with it.

There is no wet, marshy land in this vicinity, or in this part of the State. We have no parks or

commons laid out in our town. He who piled

up the hills and scooped out the valleys of this

locality, has forever rendered all such places unnecessary. The current of the river, at this

place, is about four knots an hour. Without particularizing the prices of provisions, it may be safely calculated that the price of living here is 50 per cent-cheaper than in New England. Stoves can be purchased here at about eastern prices, adding cost of transportation.

Oxen, measuring 61 feet, are worth from \$110 to \$125; cows, \$25 to \$40; horses, \$100 to \$200. Carpenters and masons, good workmen, get \$1.75 to \$2.00. Persons coming from New England should purchase tickets through to Galena. There are several routes at about the same expense, and persons can make their own selection. From Galena, by steam to our landing. It is on the direct route to Minnesota, and persons wishing to visit that country, can do so by taking Winneshick on the route. Fare from Boston to this place about \$33.

Hoping the information herein communicated

Yours truly, JAMES OSGOOD. Winneshick, Bad Av Co., Wis., April 18, 1855.

For the New England Farmer.

CALVES MARKED BY FIRST SIRE.

Mr. Editor:—On looking over the well-ar-Land for sale here is government land, and can ranged pages of the Agriculture of Massachube purchased at a distance of from 2 to 10 miles setts, page 273, it is said, to be can established from the river at \$1.00 an acre. No credit is fact, that calves possess the distinctive traits of given on land, and gold only taken in payment, character which prevailed in the animal that The most that one purchaser can take up at that first impregnated the heifer that bore them." price is 320 acres, and he must then make oath By which, I understand that all the offspring of that he wants it for actual occupation. Persons the same mother will be more or less marked with who have not eash to pay down, can pre-empt the peculiarities of the sire of the first calf. As-160 acres, or less, and by commencing improve- sertions of this kind I have more than once seen, ments upon it within 30 days, can secure it for but never before in a form so authoritative. Can one year. If not paid for at the end of the year, this be a law of generation, among animals? If it is subject to entry by any other person. Oak true in animals, why not true in other classes of openings are tracts of land sparsely covered with beings? The principle is too important to be astimber, and free from under brush. Prairie and sumed without ample proof. It was long ago never himself have penned such a sentence. If

because I recognize in many of the papers correc- he believed short, newly mown grass one of the tions made that are decided improvements. This best things,—he had mulched a great deal with volume I think a decided advance upon those it, and found it laid close to the soil. He also before published; and if I do not mistake, there recommended the succulent weeds of the garden is still room for further improvements. х.

May 14, 1855.

of the earth from rains and dews, is quickly dising of the soil too thinly. sipated under a hot sun; and if this surface is of living grass and weeds, there pump out of the may prove by varying experiments the best mode soil and and throw off into the air a much larger of performance. - Country Gentleman. quantity of moisture than is evaporated by a bare surface of earth only. But if this surface is covered with a few inches of old straw, hay or leaves, the moisture is retained in the soil, and the growth of weeds prevented. As a general rule, we have found it most advantageous to leave the surface bare and keep the soil well mellowed till near mid-summer, and then to apply the mulch-For a covering of litter, while it promotes the humidity, also prevents the heating of the soil, in and in this way may retard early growth if applied to soon. There are exceptions, however; one in the case of large, deeply-rooted trees not affected by nor needing mulching, and the other which are removed in summer, need the careful and constant retention of the earth. have succeeded, with scarcely one failure in fifty, in transplanting the strawberry drought and heat of summer, by simply giving the surface a mulching of two inches of barn manure, and on which the watering was poured when necessary. Indeed, there is nothing that better prevents the ill effects of baking by surface watering, than a covering of this sort of a moderate depth. Mulching will, however, promote moisture in the soil, even when neither artificial nor natural watering is given, simply by arresting such as rises upwards through the earth. In one instance a striking illustration of this effect was furnished during a very long season of drought, which injured and threatened to destroy a row of newly transplanted apple trees. Their leaves with a crop of mown weeds, a change was soon sheep and lambs without injuring them?" effected, and in three weeks the leaves had returned to their deep green hue, and in some instances growth had recommenced. But on no kind of tree is mulching more necessary than on newly transplanted cherry trees. Thousands of these are lost every season, after they have commenced growing, by the drying heat of mid-summer, and the evil is sometimes increased by superficial watering. A deep mulching will generally prove a complete remedy if seasonably applied.

be done by feeding to his sheep suiphur mixed with salt in the month of March, given to them two or three times; the quantity should be about three times; the q plied.

Some interesting facts on this subject were true, I should like to see a more distinct develop- stated, and valuable suggestions made at one of ment of the facts that tend to establish this the-ory. Horticultural Society. S. Walker remarked that I was more ready to notice this exception, he had used tan, sawdust, litter, leaves, &c., but or roadside. He found tan and sawdust to be useful merely by retaining the moisture. D. Haggerston had found sedge from salts marshes MULCHING.

This process, although known and practiced found it excellent for strawberries. He had also for many years by a few cultivators, has become found tree leaves excellent, if they had partly de-extensively adopted only at a very late period. cayed, so as not likely to be blown away. Old It seems peculiarly adapted to our hot and dry hot bed materials made of leaves and manure had summers, and operates chiefly in preserving the moisture of the surface, and in preventing the ill effects of too deep a mulching, but we think growth of weeds. The moisture at the surface the more common error is in spreading the cover-

Mulching is a very easy and cheap practice, allowed to become covered with a dense growth and the season is now at hand when our readers

EXTRACTS AND REPLIES.

BLACK LEG IN CATTLE.

Mr. Editor:—I wish to make the following inquiry through the columns of your valuable journal :- "Is there any known remedy for the

cure of black leg amongst cattle?"

Within the past few years I have lost more cattle with this disease than by all others combined. Gladly would I know and seek to obtain that preventive, if any there is, which shall arrest the progress and restore to health the creature that may be attacked with this worst, it seems to me, of all diseases a creature may die with. It has been said that bleeding as soon as they were attacked with it, would surely prove a cure; of this I have not much faith, as one of my neighbors had one attacked which he bled as soon as he discovered him ailing, and to all appearances it did him no good at all.

It seems "rather hard" to lose cattle, and generally the best ones in the lot, with this disease, and not be able to afford relief to them in any way. I hope to hear from some of your corres-

pondents in regard to this subject.

Joseph Blake. Ashfield, Mass, April, 1855.

TO KILL TICKS ON SHEEP.

Mr. Editor:—In looking over the last number had already begun to turn yellow, and growth of your paper, I noticed an inquiry by a subscribad ceased, but on coating ground about them ber from Deerfield, N. H., "How to kill ticks on the part of answer, I would say kill the ticks on the sheep; and there will not be any on the lambs; this may stances growth had recommenced. But on no be done by feeding to his sheep sulphur mixed with

WHITE THIMBLEBERRY.

Mr. Editor:—I saw an inquiry in your paper may be bent down to the ground and covered cob and penetrate it instead of the potato. like the raspberry. The wood is of a pea green color, and exposure to the sun turns it to a dark brown. The growth is very luxuriant; some of mine grew last year twelve feet.

J. S. NEEDHAM. West Danvers, 1855.

TO PREVENT FOWLS FROM SCRATCHING.

Among the latest inventions of the age is one for the prevention of that pestiferous scratching of fowls. Loop a strip of thin leather on the legs about five inches long, and you have accomplished the object. Try it, and be sure and not laugh the first time you see them waddle. It is a perfect preventive. JOHN PATIENT. Vt., May 23.

DIX PEAR.

well annually since.

I should like to inquire which is the best for milch cows; to give them salt at stated times, or to keep it by them. If at stated times, how much, and how often. A Subscriber.

Remarks.—Cattle will not take more salt than is useful to them, so that if it is where they can have constant access to it without waste, it is as well as any way. If at stated times, twice a week is often enough—as much as they will take.

UNFRUITIUL APPLE TREES.

Mr. Editor:—I have a fine lot of apple trees, have taken much pains with them, scraped, dug and manured them, but they do not bear-many of them—as I could wish, and indeed, I think so much as they would, were there not some drawback, not well perceived and understood. I find the well-scraped trunks and limbs covered with innumerable little gnat-like or rather louse-like little things, whether animal or vegetable, I cannot certainly say, but apparently the former. Now what I wish, and for what I write, is an explanation and an antidote from you or your correspondents. Please answer, and oblige Northfield, N. H., 1855.

A Subscriber.

TO PREVENT GRAPE VINES FROM BLEEDING.

Farmer, has recently made trials of this remedy, is high. and fully confirms the statement of Mr. Monroe, accident, this remedy may enable us to save a of those thus engaged are young. Comparatively valuable plant.

THE WIRE WORM.

As this little insect is often very troublesome of the 15th alt. in relation to the white thimble to many farmers, injuring their potato crop, I berry. They have been in several of the gardens thought I might be doing a favor by stating how of this town for the past ten or fifteen years. I they can prevent their perforating their potatoes, have some that fruited finely last season, but I The remedy is simply this:—when planting the find that they will fruit better to be protected in potatoes, drop a piece or the whole of a cob in winter, and partially shaded in summer. They each hill, and the worms will gather around the

North Berwick, May, 1855.

THE ONION GRUB.

A correspondent of the Gardener's Chronicle states that he has applied nitrate of soda to the plants with good effect in preventing the ravages of this grub. He used half a pound of the salt to a gallon of water, and applied eight gallons to a bed of ten yards in length. He states that it checked the progress of the worms, and the crop turned out well

CURE FOR WARTS.

J. M. Jessup, in the Country Gentleman, states that paring warts down with a sharp knife or razor until they bleed a very little, and then rub-I have grafted the Dix pear on a medium-sized bing them with fine salt, will obliterate them; tree which bore the fourth year, and has borne and thinks the same process will have the same effect on cattle.

TO DSETROY TICKS.

A Subscriber, at Nantucket, says that one pound of tobacco, steeped in six quarts of water, and applied to sheep and lambs, will destroy ticks.

VALUE OF STATISTICS.

We published last week some strictures on the returns of the last census :-- four or five cattle and the same number of horse dealers in Kentucky. Our attention was called, by a Rev. gentleman, several months since, to the return of apprentices in Massachusetts, which was as wild as that spoken of in Kentucky. But it is not so much in reference to the inaccuracy of the returns to which we wish to ask attention, as to the eantion required in drawing conclusions from such returns, even if they were strictly accurate. example, certain employments are deemed very healthy, others very unhealthy, and this conclusion is drawn from the average age of those engaged in those employments, or from the average age at which persons thus employed die. Now this at first view seems a just comparison, but a little thought will show that it is extremely fullacious. Professional men, as ministers, lawyers, and doctors, enter comparatively late into their J. H. Monroe, Esq., of Boston, informs us that husiness, and once entered remain through life. If common hard soap applied to the end of a re-they engage in some other employment, they still cently pruned grape vine, will effectually stop retain their profession, or so much of it that they the bleeding. Mr. Novement the pragrietor of the are counted in the number. There are exceptions, the bleeding. Mr. Nourse, the proprietor of the but they are comparatively few. Hence the average

Again, on the other hand, shoemaking, printand thinks sawing better than cutting, as it leaves a rougher surface, to which the soap will adhere a more readily than to a smooth one. In case of large proportion of those who die are young; but it should be remembered that a large proportion accident, this remedy may enable us to save a

the young shoemaker. From 21 to 30 he sticks that he eats three pecks of oats per day, and to the last and the awl, making an occasional about 200 lbs. of hay. The one I use is as docall among the farmer's daughters, and perchance cile as a cow, yet this is not always the case. getting a life lease of one of them. The heaven Three pecks of oats and 200 lbs. of have born desire of a home which he can call his own day, would be sufficient for six horses. Will is gratified. A little land, a cow, a pig, a garden, Mr. Barnum be kind enough to give us the live claim his attention. Still the shop is not deserted. Soon a larger piece of land, lying very near him, is for sale. It is added to his little homestead. He has now some plowing, having and harvesting to do, and when Mr. A. is in a great haste for his boots, the weeds in his corn have a holiday. Soon a little more land is bought, a journeyman takes the shop, and at 40 the cen-sus taker finds him in the field gathering his Charles Brooks, now in press, and find that crops, and writes him farmer. If our young shoethie volume is likely to prove to be both inmaker had lived in a village instead of on a structive and entertaining. The author seems farm, there would have been a front shop, which to have been most thorough in his researches and would by degrees receive articles from the market his work will be one of great value and interest. as well as from the back shop, and our shoemaker We intend from time to time to make a few short would become a shoe-dealer—a shoe-merchant extracts from the volume. The following account —a merchant. Thus, with slight variations, we of the "Baldwin Apple" will be perused with inmight trace the history of thousands, who commenced business as mechanics or artizans, laboring with their hands, and at middle age become far-mers, manufacturers, merchants, &c. But, on celebrated "Baldwin Apple." The first tree, the other hand, who has known the farmer at 45 producing this delicious fruit, grew on the side become a shoemaker? A merchant at 40 become hill, within two rods of the former Woburn line, an artizan? Who has known a minister at 50, and about ten rods east of the present road which leave his desk and enter the work-shop of any leads from West Medford to the ancient boundary mechanic? No, it is not the way Providence has of Woburn. It was on the farm occupied by shaped our destinies.

every man desires to be a farmer, and to this end the request of Governor Brooks, the writer made shapes his plans and regulates his conduct. To a visit to that tree in 1813 and climbed it. It own a piece of land and cultivate that land, to was very old and partly decayed but bore fruit see the fruit grow and mature under his direction, is a wish almost co-extensive with the race, had drilled as many as five or six circles of holes, where man is free and the end within the limits of human exertion. We would not say that all ible peculiarity, the apples were called "Woodemployments are alike conducive to long life. pecker Apples." By degrees their name was We do not believe they are. But we do say that shortened to Peckers; and, during my youth, the scale based on the average age of those living they were seldom called by any other name.

PLOWING WITH AN ELEPHANT.

P. T. Barnam informs the American Agriculturist that he has been plowing with an elephant for about a week. He says:

He takes the subsoil plow and drives it down 16 to 21 inches, in a tight, hard sward, and moves so fast and easily, that it is hard to realize that he has anything attached to him. He walks nearly twice as fast as a horse, and plows as correctly as the best broken team in the world. His attendant sometimes rides him, and sometimes walks (fast) by his side, while another man holds the plow. He also draws carts, stone-boats, (drags) loads wood, piles timber, picks up stones, (drags) loads wood, piles timber, picks up stones, apple they ever tasted. Some stones to a public nur-

have not taken that part into consideration, and In the gale of September, 1815, this parent tree probably shall not, though at a "rough guess," fell; but very few parents have left behind so I should think, all things considered, horses,

very few learn a trade after they are 20 or 21 oxen, or mules, would be quite as economical on years old, and in this country very few continue a farm as elephants. But of this, I will leave to work at their trade after middle age. Look at the public to judge for itself, when I inform them

Three pecks of oats and 200 lbs. of hay per

HISTORY OF MEDFORD.

We have examined some of the proof sheets terest.—Transcript.

Mr. Thompson, forty or fifty rods south of what The farmer is the long-lived man; therefore used to be called the "black horse tavern." At or dying in any employment, is a most fallacious one, and leads us to most erroneous conclusions. They came by their present appellative is one, and leads us to most erroneous conclusions. They came by their present appellative is one, and leads us to most erroneous conclusions. eolonel, and father of Loami, was an intimate friend of young Thompson (afterwards Count Rumford;) and, as lovers of science, they asked permission of Professor Winthrop to attend his course of lectures in natural philosophy, at Harvard College. Twice each week, these two thirsty and ambitious students walked from their homes in Woburn to bring back with them from Cambridge the teachings of the learned professor. One day, as they were passing by the "Woodpecker Tree," they stopped to contemplate the tempting red cheeks on those loaded boughs, and one—they took and tasted. Sudden and great sery, and from this circumstance they named the As for the profit of farming with elephants, I apple after him, which name it has since retained.

Napoleon. — Rather large; obtuse-pyriform; rat before he can get to his nest, greenish pale-yellow, deeper in the sun, some. It would be wrong to let this

Urbaniste.—(Dotted Outline.) Rather large; obovate, inclining to pyramidal; smooth, pale yellow, gray dots, and a little russet; stalk short, stout, a broad basin; calyx small, in a narrow cavity; flesh white, melting, buttery, very juicy, of a rich, delicious, pecu-liar, perfumed flavor. October and November. Hardy, a moderate grower and bearer, and one of the best. It resembles the White Doyenne, which has failed in

some sections. Cabot, after long experience, re-

will often drive away if not destroy them."

oxide of lead: a most deadly poison, and so is cle of moisture is evaporated from the surface, it times called, on visiting cards, which being a little with the ascended moisture and gases, the sweetish, has been known to destroy young which are appropriated by the numerous rootlets children to whom they were handed, to be amused with. Fashion for once acts sensibly in discarding.

The wet season is also a blessing to the deep with. Fashion for once acts sensibly in discarding The wet season is also a blessing to the deep glazed cards, using instead Bristol board, more cultivator. The more rain, the more heat, ampliant, less cumbersome, and really more delicate. monia, carbonic acid, and other organic elements And while we are speaking of one of the pests of are left in the soil as it descends. As each drop housekeepers it may be well to know

them, and with small probability of their dying of the soil. As the water drains off, air is sure in their holes or other uncomentable places.

NAPOLEON AND URBANISTE PEAR, over this half a grain of strychnine; it kills the

It would be wrong to let this statement pass, times a red tinge; stem rather short, rather stout, in a slight depression; basin of moderate depth; reader that strychnine is a fine white powder, much like flour, made from the seeds of a fruit a sprightly slight and deliberations. a sprightly, slight acid, delicious flavor. October and November. Sometimes excellent, but rather crate-sized tree in the East Indies, in the island late and uncertain in this region, excepting in the crate-sized tree in the East Indies, in the island continuous c warm soil and loca-grain of pure strychnine will kill a dog in half a tions. Better furth-three cent piece, or even less, may prove fatal to er south. Does well a man. Hence the reason for not mixing more on quince or pear.

—Ripen in a warm room. Foreign.

a chip or dirty board, it would not be likely that children would taste it, although the mixture with flour looks very much like white pulverized loaf sugar. As it is such a deadly and instantaneous poison no more than half a grain should be purchased at a time; it should not be allowed to pass out of the hands of the head of the family for a single moment. The mixture should be placed in a room the last thing at night, the door locked, the key put in the pocket, and removed the first thing in the morning, by throwing chips and all into the fire, washing the hands well after doing so, as also after first mixing it, for a great deal less than a grain would kill a man, if it happened to fall on a sore or cut finger .- Hall's Journal of Health.

DEEP TILLAGE.

In the last volume of the Essex County Agricultural Transactions, there is a capital article on this subject, by Dr. E. G. Kelley, of Newburyport, which we read with a good deal of interest last fall, and intended long before this time to have placed portions of it before the reader. The portion which we now give below, no doubt will prompt many farmers to plow a little deeper than they ever have before:

commends this as one of the surest and ness not general culture. Long in coming into bearing on the pear stock. Flourishes double worked on the quince. Foreign.—Cole's Fruit Book.

1t turns ended:

renders mulching and irrigation comparatively uscless, or, if used, more efficacious. During a dry spell and in trenched ground roots strike deeper in search of food and moisture, become extensively ramified, and sooner find the rich loam and manure intermingled deeply with The Scientific American says—"Common red the soil. The leaching process, as it is called, wafers, scattered about the haunts of cockroaches, is reversed, and takes place upwards more than ill often drive away if not destroy them." at any other time, or, in more scientific phrase, These wafers, like candies, are colored red by capillary attraction is increased. As each partithe acetate of lead, or sugar of lead, as it is some- is succeeded by another, and the whole soil is

filters through, it is succeeded by another, or by How to GET RID OF RATS, old, young, and midair, both essential to vegetation; and to dissolve, dle aged, with the shortest possible suffering to act on, or combine with, the inorganic elements to follow, and this is the proper mode of its cir-Spread a level teaspoon of flour or cornmeal on culation. Each is also generally at a higher a chip or small piece of dirty board, sprinkle temperature than the undrained land, and the

warmth of the under soil is therefore relatively increased. The farmer often objects to this waste of water, and would retain it for a dry time! The trenched and porous soil holds water retains or can command enough for the wants of vegetation. But let us see the operation on the undrained land.

The farmer often speaks of his "cold wet land." tation.

This chilling and deadly process of evaporation is going on to excess from the time frost comes occurs. At this period, the undrained land, hav- England Farmer, Vol. 4, page 467. ing the most water to freeze, becomes the warmest, say in December, when of no value to vegetation, but rather an injury. For once, for sooth. in spring. Now let the agriculturist go to work step, and a pleasing air and style in every move-and make this "cold, wet, heavy land" of his, ment. the very best he has for any product, trees vegetables, grains, or grasses.

For the New England Farmer.

TO DESTROY CATERPILLARS.

Mr. Editor: -To kill caterpillars, take a small ple. Respectfully, c. c. s. | erossing. Newtonville.

For the New England Farmer.

ARABIAN HORSE "IMAUM."

The Arabian horse "Imaum," or, as is somelike a sponge, notwithstanding the drainage. It times called, "the Pingree Arabian," was shipped to this country in the year 1842. by Hon. Richard P. Waters, then United States consul at the island of Zanzibar, a portion of the dominions of No variety of soil, in any location, is, of itself, the sultan of Museat. About three years since, colder than another. The very water which the writer of this communication called ou Mr. trenching, draining, &c., allow to pass off after Waters, at Salem, Mass., to learn about this imparting its virtues to the soil, if retained on or horse, and certain of his progeny bred in that near the surface by hard impervious sub-soil, becomes itself, by its changes, the source of the coldness complained of. Instead of running off, an annual custom with the sultan to spend a few it evaporates, and by this process abstracts a months at the above-named island, having with great quantity of heat from the soil and surround-him a numerous stud of the best break Arabian of water requires about 1000 degrees of heat; horses; that the sultan, desirous of showing his some authors stating it less and others more. Or regard for David Pingree, Esq., of Salem, resome authors stating it less and others more. Or regard for David Tingree, Esq., of Salem, reit reduces 100 pounds of air 45°. This is revers quested Mr. Waters to select a horse from said ing the experiment of Prof. Johnson, in Espy's stud, numbering over one hundred horses, and "Book of Storms," where he says, "a pound of ship him to Mr. Pingree, which request was aevapor" condensed to water "would heat 100 pounds of air about 45°." The ground to a considerable depth is warmer, by many degrees, where the rain is drained off, instead of being allowed to accumulate and evaporate. Hence this drained off, on invaluable extrapolate to vesse. enormous loss of an invaluable stimulus to vege-several promising colts in the vicinity of Salem, begotten by "Imaum," and, among others, the fine young horse "Tartar," an engraving and out of the ground in the spring, till freezing again notice of which horse may be found in the New

"Inaum" has recently been purchased by Messrs. S. M. & A. F. Wait, of Brattleboro', for the undrained land is warmer than the drained! the improvement of the breed of horses in this But for this exers of heat in winter, this kind of quarter. This horse possesses, in much perfecland must pay dearly in early spring. How is tion, the symmetrical proportions and desirable all this? inquires the farmer. Simply because qualities so peculiar to the Arabian blood of water, in congealing to either ice or snow, has its capacity for heat lessened about one-ninth, and this excess is given off to surrounding bodies; or, in other words, its latent heat is set free. On engraved head of the Arabian, on the title-page the other hand, ice, or frost as it is called in the of Youatt's Treatise on the Horse; neck arching, ground, in melting, demands back this same heat, and handsomely joined to the chest; withers at the rate of from one-eighth to one-ninth of high; shoulders well inclined backwards; legs 1000° for every pound melted; and under the surface it does not obtain all this directly from sinewy and firmly knit, the tendons standing out the sun, but through the soil; therefore the more prominently from the bone, and the knee and water the colder and longer cold will be the land hock joints dropped quite low. He has an elastic

It is well known that the Arabian blood is the foundation of the great improvement made in the breed of horses in Great Britain and several others of the States of Europe. Particularly have the English breeders effected an astonishing sponge, tie it to the end of a pole, dip it in spirits improvement in their horses by crossing them of turpentine, thrust it into the middle of the with the Arabian; and now, the pedigree of an nest, furning it well in the hand, so that the English horse must trace back to a cross with spirits may touch each individual. I have althe pure Eastern blood, to entitle him to the ways found this a safe, speedy and effectual mode of disposing of this troublesome pest. I send it to you not because it is new, but because I deem to you not because it is new, but because I deem to you not because the properties the properties of the properties

mers and breeders in this section, to mingle the government and to earry forward every laudable pure Arabian blood with that of our Morgan horses; and it need not perhaps be doubted that dollars in your purse, and yet they are important desirable results will be realized from such a and necessary measures. They conduce to your somewhat increased thereby, something may be added in symmetry and degance of figure, in render it more respectable, they regard perhaps elastic, easy movement; that a certain air and the preservation of good order and good morals style possessed by the Arabian may be blended in the community. You cannot afford to disgeneration from the original Arabian sire.

stallion, now five years old, bred by M. S. Hayes, then complain, after the work is done, of the of Farmington, N. H., and got by the Pingree burden of taxation. The proper way is to give Arabian. The dam of this young horse was got so much time as is necessary to all such matters, Sherman, out of a mare by the original Morgan.

The colt well illustrates the theory above adplaint after they are finished. Farmers are apt vanced as to the desirable results to be expected to be too modest in the transaction of public affects. from mingling the Arabian and Morgan blood, fairs, and to allow others, whose judgment is no He has all that ease, air and style of step and better, and who have no more at stake than them action spoken of, along with the qualities for the selves, to assume the control of municipal busiharness and for work, and is a remarkably pleas-have boldness enough to put themselves forward. ant horse to ride after. F. Holerook.

Brattleboro', Vt., June 7, 1855.

For the New England Farmer.

DUTIES OF FARMERS AS CITIZENS.

THE CONCORD LYCEUM.

order and good government is obviously the duty because we are not office-seekers. Is it not rather of every citizen. But this is peculiarly the duty of the farmer. For the yeomanry of this coun- not choose to compete with them? try constitutes the main pillar upon which the Then do not complain that your position is not fabric of our government rests. Without the an honorable one and that your sons will not fol-sustaining hand of the sober, staid, enlightened low their father's business because it does not and strongminded, yeomanry of our land, our lead to honor and distinction. What is wanting government, left to the conflicting elements, that at the present time is that the farmer should culmeet and struggle and battle in our cities and po-tivate the soil in a more scientific manner; that litical aremas, would scarcely sustain itself a sin- his intellect should be as assiduously employed as gle year. It is the mighty voice of the yeomanry his hands. And this intellectual activity will of the country that speaks with power and is prepare him to comprehend and master the duties and we have other voices than the voices of our more reputable in the eyes of their sons, and ingreat cities.

themselves informed, upon the topics of the day tivate their paternal acres that they may in their and upon the characters and opinions of the men turn fill the positions of trust and dignity which, who are in office and who are seeking it, that in the course of events, will devolve upon them, they may act understandingly and independently. In this way the farmer's calling will be rendered Farmers should be public spirited. They should honorable and he will occupy that position, as a not consider their own little farms as all the citizen, to which he is entitled, and his interests world, but remember that others have interests will receive that attention, from the governments at stake as well as themselves. They should ever of the state and nation, which they merit.

An opportunity is now presented to the far-be ready to contribute their part to support good cross; that the height of the Morgan may be comfort. They contribute to the despatch of somewhat increased thereby, something may be business. They facilitate intercourse, they tend with the solid, practical qualities of the Morgan, pense with such measures and you should ever be as a roadster and horse for farm work. The ready to encourage and aid them, within reasonbeneficial effects of such a cross will probably be works is to take hold of them with your own particularly apparent in the second and third hands and assist in planning and executing them. Farmers are apt to leave such matters to gentle-The Messrs. Wait have also a promising young men of leisure, who are apt to be liberal and sometimes extravagant in their expenditures, and by the Flint or Steele Morgan, and he by the old and let your voice be heard while the arrange-

ness, merely because they can talk glibly and In this way farmers are often crowded out of those stations of respectability and honor, which they ought to occapy, and which they are better qualified to occupy than many who succeed in reaching them. Notwithstanding farmers constitute by far the most numerous class of citizens, yet most of the offices of honor and emolument AN EXTRACT TROM DR. REYNOLDS' LECTURE BEFORE are occupied by men from other classes. How rarely do you find the title of honorable prefixed To sastain the laws of the land and to preserve to the name of the farmer! But you say this is because other men are office-seekers and you do

heard above the raging billows of political strife, pertaining to any position in society in which he It is said that Paris is France and that the voice may be placed. Then when farmers are found of France is but the echo of the voice of Paris, filling many of the important and influential of-But, thank God, we have no Paris in America, fices in the community, their business will appear stead of seeking gold in the sierras of California, Now I do not counsel farmers to be politicians, that they may enjoy the uncertain honor which They are better employed. But they should keep results from wealth, they will be content to culpolitical capital can be made of them. But his earth at the root, and occasionally cutting off an voice, when it is heard in the public councils, obstinate large root, without injury to its growth, will be regarded. His influence will be felt and and thus be made sightly. An erect tree will will be felt for good, for he has no private inter- be longer lived and more fruitful than a leaning ests to advance. His interests are identified with one, and not half so subject to casualty as if left the public good and he is ever ready to bear his to its own guidance.—Exchange. share of the public burdens. In the public prosperity he prospers, and in the public joy he rejoices.

THE FROG.

Of all the funny things that live. In woodland, marsh or bog, That creeps the ground, or fly the air, The funniest is the frog. The fr g-the scientificest Of nature's handiwork-The frog, that neither walks nor runs, But goes it with a jerk.

With pants and coat of bottle-green, And yellow fancy vest, He plunges into mud and mire-All in his Sunday best; When he sits down, he's standing up, As Paddy O'Kinn once said: And for convenience sake be wears His eyes on top of his head.

You see him sitting on a log, Above the "vasty deep," You feel inclined to say, "old cha; -Just look before you leap !" You raise your cane to hit him on Hig ugly looking mug; But ere you get it half way up, Adown he goes, kerchug!

He keeps about his native pond, And ne'er goes on a spree. Nor gets "how-come-ye-so," for a Cold water chap is he: For earthly cares he ne'er gets drunk, He's not the silly fool, But when they come he gives a jump, And drowns 'em in the pool.

KEEP FRUIT TREES STRAIGHT.

ing position from the prevailing winds. This (if not sealed up by the everlasting pale-green should not be suffered beyond a certain stage of window curtains,) with no shade trees to lessen the tree. When as large as one's wrist, they the glare of the sun, and no lattice, with clim¹ should be set up erect, and, indeed, thrown into ing rose or delicate wood-bine, to diminish the the wind at an angle of ten or fifteen degrees; bare poverty of their appearance. The barns in order to bring them ultimately into a straight and out-houses are often placed nearer the road resistion. This is but the state of the placed nearer the road resistion. position. This is best done by obtaining crotched still than the house, so that, on approaching the limbs from the woods, eight to twelve feet long, place, these unsightly buildings greet the eye first. and placing the buttend, which should be sharpor soon after leafing out. One season, if the lave made it—how much more attractive to the tree is thrifty, will be all that is required. If, however, it be obstinate, repeat the trial another year. The remedy is sure. Even large trees, which have acquired a permanent lean, may be Dartmouth, Bristol County.

They will not be laid on the table because no thrown into an creet posture, by loosening the

For the New England Farmer.

RURAL TASTE.

Dear Sir:—I am one of those who believe in the cultivation of a taste for the beautiful as well as the useful. The value of an estate is always enhanced by some attention paid to the principles of taste. We have in our country few ivy-clad ruins or venerable antiquities, whose associations lend a charm, independent of their inherent beauty to the landscape; but we have, nevertheless, the power of increasing greatly the attractiveness of our country-seats by the cultivation of our noble forest trees, and taking advantage of the natural swells and undulations of the ground. It should be borne in mind that it costs no more to erect a building in its appropriate place, than in an inappropriate one; yet one-half or three-quarters of our farm buildings are dumped down, with the most perverse indifference apparently to every consideration of taste, in hollows, close to the road, exposed to its dust, and allowing no room for shade trees or shrub-

Perhaps nowhere are instances of this kind more numerous than in Bristol county, and particularly in the vicinity of New Bedford, a city distinguished by its beautiful residences and abundant shade, its streets over-arched with luxuriant foliage, and its dwellings, many of them, embosomed in trees. The instant we get into the country, the genius of good taste seems to have fled. The roads are lined with small farmhouses, either unpainted and dirty, or painted painfully white, with the most vivid of green for blinds, with a front yard of from twenty to thirty feet deep, so near to the road that the Trees in an open exposure often acquire a lean- passing travellers can see clear into the parlors,

Now if, instead of thrusting his farm-house so ened, on the ground, and the crotch end either closely upon the road, the owner had earried it against the trunk, immediately beneath the back some one hundred yards or more, placed it branching point, or against a large outer limb, upon a gentle swell, planted some forest trees if more convenient, securing it from chafing in around it on either side, so as to form, in time, a court of partyred area, and painted it a way to be control or activation and the court of partyred area, and painted it as way to be control or activation and the court of partyred area. the crotch, by a padding of straw, or litter, and sort of natural arch, and painted it a warm setting the tree at once up to the desired angle of stone color, which would have harmonized the Loosen, also, the ground on the unapproachable tints of nature instead of half windward side of the root so that it will not bind, and the work is accomplished. Let this be done when the tree begins to make its summer growth,

GUANO.

guano-one from Prof. Nasii, and the other from ever. Under such circumstances, therefore, it is in the articles are well founded, the name or a rich harvest.

We have long been convinced that there were names of the persons implicated ought to be parties in this country engaged in manufacturing made public instantly. We shall not hesitate to various artificial fertilizers, which are of little knowledge, accompanied by evidence that they posing their fraudulent practices. We were also are correct. Prof. Nash says :-

If any one fails to do it, and then should be comparatively worthless article, at a high price, sorry, let him not lay the sin at our door. Neither under a false name, and, what is more to be redo we wage indiscriminate war with all dealers gretted, it is one of the professed friends and in guano. What we have said is, that in the teachers of scientific agriculture that is engaged trade, somewhere between the birds' dung-hills in this deception. and our farms, there is prodigious rascality to How we discove Taking all that is sold under the name of guano, and applying it to the general purposes of farming, it will return to the farmers, in the aggregate and in the long run, but about half the purposes of the purpose and in the long run, but about half the purpose of the purpose and in the long run, but about half the purpose of the purpo which is $\frac{24}{2}$ onnees (what you might wen carry and Boston, and one gentleman same ne period in a vest pocket.) to a ton of soil, you exhaust the land. If, then, you purchase a bad article, you lose outright; if you purchase a good one, guano, if we would take it in quantity, at \$35 there are heavy drawbacks upon the apparent per ton.

We took samples of both the Mexican and Chillian are properly of dung-making birds. in Pern, and we believe there are more in this lian guano, and made eareful duplicate analyses country: not hirds exactly, we should not dare of them in the laboratory of Prof. Carr, of this call them so, lest the real birds should pick our city, chemist to the New York State Agricultural eyes out; but something, without wings, not Society. The following are the mean percentage having one upward tendency, which concocts and results of the analyses: sells to farmers more so-called guano than all that is brought around Cape Horn. As proof in part, we publish the following from the Country Gentleman, omitting names of persons, as that paper has done, and also of places, which it has not .-The Farmer, by J.

GREAT FRAUD IN GUANO. - Every one acquainted with the guano trade of Great Britain, is aware that adulteration is carried on to an enormous extent. The laws are stringent, and the penalties in case of detection severe, yet the profits are so large, and the difficulty of proving the fraud so great, that numbers of dishonest men are willing to brave the chances of detection. ness connections, is the great safeguard against ing account of the modus operandi, adopted at these and other impositions; but, though the the factory. British agricultural journals are mostly of a high. The bags are first marked Childan Guano; they

tone and character, their price prevents an extensive circulation; and, indeed, comparatively We give below two articles on the subject of few farmers take any agricultural paper whatthe Country Gentleman. If the charges intimated no wonder that fraudulent manure dealers reap

give them publicity whenever they come to our value, and we have done our part towards exaware that inferior guanos are often sold under an assurance that they are equal or superior to We do not condemn the use of guano indistine best Peruvian, but we had no idea that there criminately. We have always, in measured tones, was any one in this country engaged in the mancommended its use on poorish, out-of-the-way ufacture of guano. We are sorry to say we have lands, beyond the reach of heavy manures. For been deceived. Numerous as are our agricultural specific purposes, we have advised all farmers to papers, great as are their circulation and influ-have it on their premises. This year, in view of ence, they are found insufficient to prevent unprospective high prices for produce, it may be scrupulous men from attempting to palm off on wise to apply it on all lands and for all purposes, the credulous farmers of our broad domain a

How we discovered this fraud, we are not at be looked out for, and that if we escape this and liberty to state. Suffice it to say, that some six get the best article, still it will not pay, in the weeks ago, we were informed that an article, ordinary course of inland cultivation, except in known as Mexican guano, was taken to an estabthese years when produce is uncommonly high. lishment near -, and there mixed with plas-

chase money. We say in the aggregate, because proceeded to —, and there found a large heap it will be admitted that those who purchase a of about 250 tons of Mexican guano, and some spurious article are losers; and we say in the 200 tons of the manufactured article in bags, long run, because it is as clear as sunbeams, that marked "Chilian guano," as we had been inwhen you take great crops from the land, with-formed. We also learned that a considerable out putting on more than 300 lbs, to the acre, quantity had already been shipped to New York which is 2½ ounces (what you might well carry and Boston, and one gentleman said he believed

Sand	MEXICAN GUANO.	
Organic ma	tter	
Phosphate of	of lime	0.25. 184
Сатионате с	I mine	
		99.8
	CHILIAN GUANO.	
Water		4.0
Sand		2.4
Organic may	ter	15.5
Phosphate c	f lime	24.5
Sulphate of	lime, cplaster's	
	sodium, common salt)	
Carbonate o	f lime, (chalk)	
		19.5
Ammorio		1.6

The agricultural press, when in the hands of Having obtained these results, we proceeded honest, independent men, untrammelled by busi- once more to ---, and there received the follow-

heap, in layers, with a quantity of Peruvian ever since."

guano between each layer.

barrowfuls, of "five half-bushels" each, then are mixed with six barrowfuls of Mexican guano, best stimulants that can be applied to the quince To this are added 1½ bushels common salt, 1 tree. The writer, however, recommends its apone-half bushel of quick lime. When the Peru-trees in its raw state, and with about an equal tremendous strong." In other words, the lime quantity of caustic lime or unleached house ashes. vian guano and lime are added, "they make it; sets free the ammonia of the Peruvian guano, and gives the manufactured Chilian guano a strong smell of hartshorn, which, to the unreflecting, is a sure indication of a valuable guano.

The floor, where the bags were filled, was covered with Peruvian guano, in order to make the article look as much like genuine guano as pos-

What is Chilian guano, and why is this name given to it instead of the better known guano? hand. Of the plows made fifty years since I am The only genuine Peruvian guano in this country no judge, but a cast iron plow made thirty years comes through the hands of BARREDA BROTHERS, and has their mark upon it, so that it would not be easy to sell a spurious Peruvian guano. Chilian guano is subject to no such regulations, and the books describe it, when "fine"—and the manufactured article is made fine by grinding—as a with abundance of stones, doubtless for good and with abundance of stones, doubtless for good and "rery valuable variety, equal to that of the very best Peruvian." The name, therefore, has been chosen with consummate cunning.

SALT FOR QUINCE TREES.

our readers, that plum trees, generally, are much "Farmer" writers, that a good plow is a good benefited by copious applications of salt; and plow anywhere and everywhere, on the sandy that one species, called the "beach plum," grows plain or rocky hillside, the stiff and tenacious, on the margin of salt water, where its roots are or the light, friable, easily worked soil. The washed by the tides. Frequent experiments have experiment; this is costly business for the country also demonstrated of late that very decided additional times are sometiment; this is costly business for the country also demonstrated of late that very decided ad-farmer, and he has a right to expect the matter is vantages attend the application of salt to most already settled. In these times of great improveplum trees. It seems, likewise, from the follow-ments he has a right to expect that when he deing extract from a communication in the Horti- scribes the soil the dealer will show him the plow culturist, that the quince tree is equally benefited best fitted to work it. by it. The writer says :-

twelve years since, I found on the premises I purplows, in the Quincy Hall store, marked "deep chased half-a-dozen fair looking quince trees, but which I understood had never borne any fruit. The province of the premises I purplows with the premises I purplows. Which I understood had never borne any fruit. The province tree did not be the premises I purplows with the premises I purplows. When I was a premise in the premises I purplows with the premises I purplows. When I was a premise I purplows with the premises I purplows. When I was a premise I purplows with the premises I purplows. When I was a premise I purplows with the premises I purplows. When I was a premise I purplows with the premises I purplows. When I was a premise I purplows with the premises I purplows. When I was a premise I purplows with the premises I purplows. When I was a premise I purplows with the premises I purplows. When I was a premise I purplows with the premises I purplows with the premises I purplows. When I was a premise I purplows with the premises I purplows with the purplow with the purplows with the purplow making a drain from my kitchen, it so chanced had been emptied into this drain, I supposed the stiff, heavy loam, with stones to match, this is salt might have produced its fruitful state. Act- the plow that will do the job for it. ing on this supposition, I commenced applying salt to the other trees, early in the spring, at the rate of three quarts per annum to each tree, on the surface of the ground under each tree, the drawn by four horses abreast and required the

are then moistened with water, and laid in a ing season, and have produced me good crops

The sugar-house seam is pounded fine. Three commended in a Pennsylvania paper as one of the bushel of plaster, 3 bushels Peruvian guano, and plication in compost rather than directly to the

For the New England Farmer.

PLOWS AND PLOWING.

I have looked with some interest for the replies to a "Tiller of hard and stony land," having myself some two years since made a similar inquiry. I have had some experience since that time and can perhaps lend the "Tiller" a helping ago I held many a day, for at least a dozen successive years, and am of the opinion it was far superior on a stiff stony soil, such as I cultivate,

wise reasons, and I never pick off those small enough to be crushed under the surface by the roller. Now the pattern of a plough to keep steady among these stones, and well pulverize this soil, my limited experience leads me to think is a short mould board, wide behind, and high The fact is well known, perhaps, to most of beam. It seems to be the general opinion of the

After a fruitless inquiry, through the columns

of the "Farmer," I visited the plow stores in "When I first came to this section of the State, Boston, and was soon attracted to a family of On inquiry I understood the quince tree did not the improvement of thirty years ago. I bought bear well in my neighborhood, and that my neigh-lone marked "Deep Tiller-stubble-No. 33," and bors thought it useless to plant this fruit tree. In plowed my old ground with it with a satisfaction making a drain from my kitchen, it so chanced I had not felt in plowing for years. I rigged it with cutter and roller for breaking up grass, and that it emptied its contents near the foot of one have used no other plow but a horse plow since. of the quince trees. This tree, the season after, To conclude I would say to brother "Tiller" that came into bearing, and as a good deal of pickle if the soil he wishes to plow is like mine, i. e. a

Andover, June, 1855.

trunks of which were then about as large as a assistance of three men. The business of one man man's wrist. They came into bearing the follow- was to drive. For that purpose, he placed bimself between the middle horses, with his face to-[after having run it through a screen of quarter depth of the furrow, by raising or lowering the yard. These may be put into the wall as large plow, as occasion required. The plowman fol- as its thickness will admit. The materials thus lowed with hold of the stills; and in this formi- selected or fixed upon, the next important point dable and ludicrous manner they repeated their when the cellar is excavated (and in many situaattacks on the soil.

seen horses plowing by the tail!—Port. Trans.

For the New England Farmer.

"GRAVEL WALLS."

fever," as they are pleased to term it, should, per-lock is not suitable as it will warp. Iron rods } onerous demands for an imaterials and labor connected with buildings in the usual mode, some fitted to the screen end; these rods should pass will be inspired, despite all denunciations and mishaps hitherto, to obey the teachings of the spider, and try again until unfailing success crowns the effort. It is not a very unusual occurrence for the material for the wall.

We now gone to a very investors used of the material for the wall. brick buildings to fall, even some which were supposed to have been well built; but if well adhesive mixture. On this point very serious misbuilt upon a good foundation, it is believed there adhesive mixture. On this point very serious misis as little danger from gravel as from brick or takes have been made during the last year, and

of those covered in, there has been to the knowledge of the writer three totally destroyed, and two or three partially injured.

The question arises, is this destruction owing to the building material, the severity of the climate, or to the ignorance and heedlessness of the builders? There are those who will, without hesitation, pronounce the latter as the sole cause of these disasters. And being of that opinion, I will, in conformity with a promise, better! Last season I washed them with potash proceed to answer the interrogations of your "subscriber.

Persons contemplating the erection of buildings of this kind, should avoid the off-hand, haphazard mode, recommended in a book which gave this mode of building. Under this mode, as well feetly safe, easily applied, and answers all the as under all others, the building should be under desired purposes. the supervision of a good builder, and one who has theory and experience in building, and not it is not suitable. If coarse gravel predominates, and prevents the eggs from hatching.

wards the plough, to guide it straight, and in inch mesh, if the large round smooth cobble is this position he stepped backwards with the reins abundant, the larger ones should be rejected,in his hand. Another walked behind the horses the lime having less affinity with them, -and with a cleeked staff, which he fastened in front of rough uneven stones substituted, or what is betthe beam, and by means of this regulated the ter, stone chips from a quarry or from a stone tions the cellar will furnish the material for the In harvest, a basket machine was placed on wall.) a good, substantial foundation of stone, horseback, for carrying home the grain; and per-laid in mortar if it can be afforded, should be sons were employed on each side with forks to keep made;—as good a foundation as would be reit in a proper poise. It is said that the practice is quired for a stone or brick building and an underyet to be met with in Galloway.

Many practices existing even at this day in ground, laid in solid masonry of brick or stone.

Ireland are still more ridiculous.

Mr. Arthur Slate stone for the underpinning is the best, as Young tells us that in Donegal he has actually the slate will hold the outer finish better than

brick. The foundation completed, planks of suitable length, proportioned to the size of the building, and twelve or fifteen inches in width, should be made ready, by planing the side that is to go Mr. Editor:—The recent demolition of several next to the wall; if they are rough, they will gravel buildings, and the denunciation of the press break its surface, as they are raised up. Pine in one or two instances of the "gravel wall plank is best, as it is more easily worked. Henfeyer," as they are released to the "gravel" wall plank is pot suitable as it will be the recent wall plank is not entitled as it.

We now come to a very important part of the Stone.

There were many buildings erected in this state during the last year, and is one prominent cause of the disasters which have happened. This part must be left for another communication.

W. M. N.

Waltham, April 20.

For the New England Farmer.

WASH FOR TREES.

Mr. Brown: -I would like to have you inform me in what quantities whale oil soap should be used in washing stems of apple trees, for I have about six hundred to wash; or is there any thing that you would recommend in its stead as being water, with cow manure added.

Yours.

Remarks.—Nothing, in our opinion, is better the first impetus, in this section of country, to than common soft soap and water. It is per-

To prevent Bots in Horses.—A person of entrusted to those who know enough only to much experience in veterinary science is never pour water on to lime, and to shovel gravel. A troubled with this disease in his horses. His simdry site is the first desideratum. Next, proximiple practice during the fall months is, to keep ty to a good coarse gravel hed, free as possible a greasy cloth in the stable, and once a week rub from loam. Blue gravel will answer, but light with it such parts of the animal as may have is thought to be the best. If the gravel is line, been attacked by the nit-fly. Grease destroys For the New England Farmer.

GARGET.

many cows are afflicted with what is called garget—the premonitory symptoms of which are, want of energy, dullness, running at the nose calving, particularly in the first birth, often too successfully treated, usually results in seated insuccessfully treated by giving the animal gargetroot, sulphur, salt, saltpetre, &c.; but will you, the medium of your monthly publication, the best method of treatment for a severe case?

Remarks.—In reply, we copy from Youatt and Martin on Cattle. Perhaps some of our readers may suggest a simple remedy. There is annually very considerable loss to farmers from this disease.

Garget, or Sore Bag.—Too often, however, the inflammation assumes another and worse character: it attacks the internal substance of the udder; one of the teats or the quarters becomes enlarged, hot, and tender; it soon begins to feel hard and knotty; it contains within it little distinct hardened tumors or kernels. In a short space of time, other teats or other quarters probably assume the same character. The milk has coagulated in the bag to a certain degree, and it has caused local inflammation where it This occurs particularly in young cows, after their first calving, and when they are in a somewhat too high condition, and it is usually attended by a greater or less degree of fever.

The most effectual remedy for this, in the early stage of the complaint, is a very simple one; the calf should be put to the mother, and it should suck and knock about the udder at its pleasure. In most cases, this will relieve her from the too great flow of milk, and disperse all the lumps.

The causes of garget are various; the thoughtor suffering the cow to get into too high condition, are frequent causes. So powerful is the cows, that have for some time been dried, and of clay." in the udder that have not easily been removed. the cow clean, but leaving a portion in the bag, this earth, as never again to become oppressed and the best portion of the milk too, and which with the sterility with which they were primi gradually becomes a source of irritation and in-tively cursed.

flammation in the part. Connected with this last cause is the necessity of the advice already given, to milk the cow as clean as possible, at Mr. Brown:-At this season of the year, least twice in the day, during the existence and

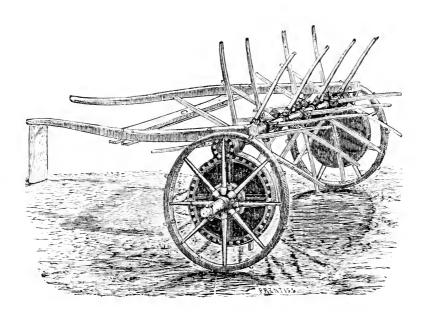
treatment of garget.

Treatment.—A little time before and after and eyes, loss of appetite, &c., &c., and, unless at other periods, there is observed on the udder a successfully treated, usually results in seated in painful inflammatory swelling: the organ is flammation. The udder is generally the seat of hard, tense, hot and red; the entire, or only a inflammation, which, in severe cases, becomes part, is affected with swelling. The animal has very much enlarged, and has the appearance of rather high fever, a sharp thirst, the mouth is being filled with knobs, or bunches of different dry, and there is but little appetite; the secreforms and sizes, and many times extremely sensition of milk is more or less diminished. If it forms and sizes, and many times extremely sense tive upon the slightest pressure; not unfrequently tumors, from which pus is discharged, and the cow rendered nearly worthless for the season, and may be entirely worthless for the dairy ever after, and only fit for the butcher. It is the content of the cont know many slight cases of this disease have been lected, or when there have supervened gangrenous inflammation or ill-conducted ulcerations, with hard and everted edges. After cold, the cure is or some of your many readers, inform me, through readily obtained by aconitum at first, then bryonia; if the latter does not suffice, dulcamara. Chamomilla, also, has frequently proved useful.

CLAY.

On sandy soils, which are deficient in cohesibility, and which are consequently liable to wash, and to be blown by winds, no application is more valuable than clay. This earth is a compound of silica (sand) and alumina (clay)—not merely mixed or mingled together, but existing in a state of chemical combination. Most of the natural clays, are mixed with an extra quantity of sand, or silex, which is sand free from extraneous substances, and in various degrees of fineness. The only methods of separating the silex from the pure clay, is by washing or boiling. The silex, however, which exists in a state of chemical combination with the clay, can be separated from it only by the action of chemical reagents. "Clay differs in appearance from silica and alumina, and its properties do not correspond in that degree which might be expected from the proportion in which these two earths are united in it. It has peculiar properties which a mechanical mixture of silica and alumina cannot be made to exhibit. Nature seems, indeed, to less and unfeeling exposure of the animal to cold have reserved to herself the power of effecting and wet, at the time of or soon after parturition, this intimate union, for although means have the neglect of physic or bleeding before calving, been discovered for effecting the combination for silica and alumina by chemical processes, the comlatter one, that instances are not unfrequent of pound thus formed does not constitute a true

heifers that have never yielded nulk, having vio-lent inflammation of the udder. The hastily a sufficient quantity of good clay incorporated drying of the cow has given rise to indurations with them, will be capacified for producing all the variety of crops ordinarily cultivated on the An awkward manner of lying upon and bruising the udder is an occasional cause; and a very frequent one is the careless habit of not milking stitutionally ameliorated by the admixture of



HAY MAKER.

Last week we gave the cut of a Mower, with Leaves .- Every person conversant with vegesomething of their construction and merits.

Nourse, Mason & Co., as follows:

been used in England and approved.

"We have made several trials of this machine illustrating the same principle for making and turning hay. Its operation was "Mr. Moro, of Detroit, has a magnificent very satisfactory to all who witnessed its work, grape vine, spreading itself over one side of his and equally on the whole,

spreader to stir or turn it often, it is supposed the very line of separation between the mutilated that generally hay may be cut, cured and put and unmutilated portions. —Maine Farmer. into the barn the same day. In addition to a great saving of labor, much would be saved by putting the hay in the same day, both in labor and risk of weather.'

some remarks and testimonials in its favor. We table philosophy is aware that the all important present this engraving so that the farmer may supply of big, vigorous, healthy leaves. A tree have before him such of the labor-saving imple- which he kept defoliated for a single season must ments as promise to be useful, and may learn die; and fruit growing upon branches which are deprived of their leaves cannot ripen—examples We copy from the circular of Messrs. Ruggles, of which are furnished by the instant cessation of growth and ripening of fruit upon trees which become stripped by leaf blight. In one instance, "We would also invite your attention to a a dense mass of plums remained half-grown and Hay Making Machine, described and shown be-flavorless for several weeks, in consequence of the low. This machine, we believe, will prove a premature dropping of the foliage—a second crop great acquisition in facilitating the business of of leaves three weeks afterwards effected the comhay harvesting. Machines for the purpose, much pletion of their growth and their ripening to hou-more expensive, but not more efficient, have long eyed sweetness. The editor of the Michigan Farmer mentions the following interesting case

It is worked by one horse; a boy rides the horse house, which had been in September richly laden and spreads, shakes or turns an acre in twenty with fruit. After the cluster was formed a cow minutes. The hay is raised from the ground and entered the enclosure, ate the leaves entirely, but thrown into the air from six to ten feet, falling left the fruit untouched. The consequence was evenly distributed over the whole surface, leaving that upon that portion of the vine, which was it so very light that the air and sun act forcibly beyond the reach of the cow, there never were and equally on the whole finer clusters, while upon the portion from which "Being enabled by the Mowing Machine to cut the leaves were removed, the clusters dwindled the grass after the dew is deled off, and by the away and came to nothing, and that, too, up to

> To Correspondents .- Several excellent articles, on various topics, and some agricultural poetic

contributions, are on hand, which shall appear soon. We hope our correspondents will "make a note" of their experiments and operations, as they go along with their crops, and thus supply ed, as its name indicates, to be the organ of farthe data upon which to found articles to be written next winter, if time cannot be afforded at present. We embrace the opportunity to express, again, our thanks for the liberal and valuable aid afforded us by our intelligent corps of correspondents. We trust the advantages are mutual.

TRAPPING GRUBS AND CUT WORMS.

A writer over the signature of "C. Q." in the May number of the Michigan Farmer, relates his success in preventing the depredations of these pests of the farmer by a new and very ingenious invention of his own. As neither fall plowing nor any other generally known method is much In a cold and changeable climate as we have in to be relied upon, probably many may be induced to try this newly-proposed method. If whose business keeps them much in the open air found as successful as "C. Q." represents it, we in all kinds of weather, is rheumatism in some of shall be happy to make a report thereof, and to its great variety of forms. This is always a disbe the organ through which those who may find it useful may send a vote of thanks to the original inventor.

periment with the 'varmints' which I will relate such as tendons, (the extremities of muscles,) for the benefit of whom it may concern." planted his corn on a clover-sod plowed in spring. strengthening and lubricating the joints. While planting, he found plenty of the small Rheumatism is an inflammation of some over the whole field in the same way, and the re-rheumatic affections. sult was that hardly a hill of corn was destroyed after the holes were made, while his neighbor's most afflicted with what is called chronic rheucorn just over the fence, which was on ground matism, attacking the shoulders, hips, back, or any plowed very early, was more than half cut off other joints in the body, and often lasting for with the worms. "It might be supposed," says months, disabling the patient for performing all "C. Q.," "that when the fellows fell into the kinds of manual labor. traps they would hore into the side and escape; to find the corn they tumble in." An additional ten the sole means of cure. recommendation of this method is, that the birds will not pull up the corn, when they find plenty of grub already provided for them.

plication.—Country Gentleman.

For the New England Farmer.

CURE FOR RHEUMATISM.

I suppose the New England Farmer is intendmers in all matters pertaining to agriculture.

As the agriculturist has duties to perform not strictly agricultural, yet of equal importance to the rearing of great crops, and breeding fine horses, I suppose a communication, less for the benefit of agriculture than for the good of the agri-

culturist, may not be amiss.

The health of the farmer and his family is certainly paramount to agricultural achievements, as a slight discuse in his physical system may blast all his hopes of success in his common avocation, or the illness of his wife, the mother of his family and the mistress of his household, may tax his time and means sufficiently to keep

In a cold and changeable climate as we have in Vermont, a disease often provoked, to those

ease of the joints.

Each joint in the body is covered and protected "Last spring," says "C. Q.," "I tried an exwith the type point," which I will walk to He capsules, ligaments and bursa, for protecting,

Rheumatism is an inflammation of some of those grubs. The corn was planted about the 20th of fibrous tissues about the joints, and acute rheu-May, and as soon as it came up they commenced matism is an extremely painful disease. It is their mischief. Knowing no reliable or certain usually, if not always, produced by cold obway of saving the corn, he concluded to trap structing the perspiration of the skin, etc. Sleepthem. For this purpose, he took a round stick, ing in damp sheets, going with wet feet, or ex-3 or 4 feet long, and about 2 inches in diameter, posing the body to cold when heated, and wear-and making one end sharp, and taking two rows ing damp or insufficient clothing, are the imme-at a time, he made from two to four holes 4 or 5 diate causes which produce this very troublesome inches deep in or close by every hill. After fix-malady. Usually that class of persons who wear ing several rows in this way, he waited to see the the lightest fabrics for garments, and those who result. On examination he found that almost evalure too poor or too penurious to provide themery hole had one or more worms in it. In one selves garments adequate to the autumnal and hole he counted as many as six. He then went vernal changes in this climate, are most liable to

Spring and fall are the seasons that people are

Now it is a fact not enough appreciated but on watching them, I found they would al-that those who provide themselves with good ways fall back again, when about twenty-four woollen shirts and drawers and other woollen hours of sunshine and starvation would put an garments are most exempt from attacks of this end to them. They usually commit their depre-kind. Such flannel and woollen garments are dations in the night, and while crawling around not only preventives of rheumatism, but very of-

A near neighbor of mine, some three or four years since, was attacked with pain and lameness grup arready provided for them.

"C. Q." states farther that a portion of this qualify him for all kinds of labor. His physical of the physical course head a portion of this qualify him for all kinds of labor. field of corn looked green and flourished luxuri- cian recognized the disease at once, and very wiseantly, while another portion looked pale and yel- ly prescribed woollen shirts and drawers. He low. To the former he had applied (a table- thought he could not afford the expense, but paid spoonful to each hill) a mixture of 2 parts lime dollars for patent medicines, and laid idle through with 3 parts ashes. The latter had no such apthe entire winter, and was forced to believe himself suffering from ulceration of the hip joint,

commonly called "hip complaint," so great were his sufferings at times. He made arrangements to sell his little farm, when he again encountered his old physician who once more told him to get the woollen shirt and drawers. At last they were it is struggle and opposition that best acquaints, procured, and to the patient's astonishment his even the advocates of any measure, with its

matic diseases, use woollen undergarments, and to met. say the least you may calculate with safety that you will be much benefited. By woollen gar-greater difficulties to face, than the advocates of imments, we mean garments made of the products proved agriculture, and that they have triumphed of sheeps' backs, and not those fabrics known as through them, and in spite of them, is shown by cotton flannels, which are much better conductors of calorie and far inferior to woollen as gar-the strong interest felt by the community in gen-

Guilford Centre, Vt., April, 1855.

POOR FARMING AN EXPENSIVE BUSI- various specific manures, &c. NESS.

course be unprofitable, we ascend to a better con-

The farmer of a hundred acres puts on his farm consumption, \$500. "The ends meet;" and if there were no better way he need not complain; opment of high moral qualities he has the advan-State. tage of most others; and what is more, he has the best possible means of training his children twenty or more men could have been selected to those habits of industry and frugality which from various parts of the State, who would be more than conspire to make them good men and women and worthy citizens. Let him not, there- willing to devote a large portion of their time, fore, complain. But if there is a better way, let unremunerated, to the duties of the Board, and him fall into it. We do not believe that farm-renders them deserving of the State's gratitude. ing is necessarily limited to the operation of put- We are apt to but lightly esteem advice gratis, ting on \$500 and taking off \$500, and living by the operation, only because what is put on is mostly in the form of labor done by the family. We are apt to but lightly esteem advice gratis, the operation, only because what is put on is mostly in the form of labor done by the family. man, it will give a great deal more with the latthem to be the incumbents of fat offices, which bor of two men; and the excess will more than are mere sinceures, instead of which they give a balance the wages and board of the second. Instead of putting on \$500 and taking off \$500, very large amount of time, labor and money stead of putting on \$500 and taking off \$500. the better way is to put on \$700 and take off without any other present or prospective reward \$900; and then to put on \$900 and take off than the success of their measures, and the benefit \$1200. There is doubtless a limit beyond which of their countrymen. the income could not be made to increase above |

SPECIFIC MANURES.

No very important movement for the general good ever yet had uninterrupted success, and as it is struggle and opposition that best acquaints, pain and lameness immediately disappeared, strong and weak points, it is not best it should; From that time to the present, whenever he lays indeed, for this reason fair and honorable opposiaside his woollen garments he is attacked with tion is to be desired, but the attacks of calumny, the same disease, but never when he wears them.
So we say to such as are troubled with rheu-

> No set of men ever had more uphill work and eral in agricultural matters; in the establishment of means for the diffusion of useful knowledge amongst the rural population, in our well attended autumnal cattle shows, in the growing use of

Any careful observer of the respective theories The truth is, poor farming is an expensive and "isms" of the day would decide that the agbusiness. The cost exceeds the income. If from ricultural is the most popular one, and that it is a very low grade of farming, which must of likely in the end to be triumphant; but let no dition of the art, we shall come to a point where one suppose this popularity has come unsought, there is neither loss nor gain; the income equals or with small effort. How many men have dethe outgoes; the ends meet, as they say. And voted years of gratuitous labor to the cause; rethis, if we understand these matters, is the very member the untiring efforts of Pickering, Colecondition in which nine-tenths of our farming man, Buel, Phinney, Lowell and numerous others; or in our own day, it is only necessary to in his own labor, in the labor of his wife and his point to the Massachusetts Board of Agriculture, children, in taxes, insurance, &c., \$500. And he who, with an immense amount of gratuitous, and takes off in some marketable produce or for home apparently almost thankless labor, persevere undismayed in their efforts to improve and benefit for he is working his way through the world as the agricultural condition of their friends and quietly and as easily as most men; for the devel-neighbors, whether of the same town, county or

It is most worthy of landatory notice, that If a farm will give \$500, with the labor of one many who are aware of their existence suppose

Since the first establishment of this Board, in the expenditures; but very few of us are in danger of going beyond the limit. There is much spite of opposition, and of the narrow-minded atmore danger of falling short of it. Our standard tacks of men who judge only by the evidences of is too low. Men are afraid to trust their land, their senses, they have accomplished an immense lest it should not pay them. It is the best pay-amount in the way of undermining prejudices, master in the world.—The Farmer, by J. A. enlightening darkness and introducing improvement.

and mean opposition, and to suffer from the most inable piece of quackery and imposture, nor can aggravated and least defensible attacks, the stabs too much indignation be felt against its perpetraof pretended friends; they, and the agricultural tors; no confidence will hereafter be felt by the press besides, have been for years urging the ex- victims of this fraud in any so called agricultutensive trial of specific manures, whether to sup- ral improvements. But we cannot too strongly plant, assist, extend or enhance the benefits and urge upon those who have suffered this year, not use of hard-yard manures.

To secure a judicious application of the material used, repeated directions have been given of the amount to be used, and the best way of ap- of solid and well-established reputations, and plying it, in some cases, even, with details of never to purchase any recommended preparations carefully tried experiments, as farther guides; and as a result of this action, a larger quantity of specific manures has been sold this year than ever; how disastrous, then, must be the effect upon novices, who have been excited to try such aids to culture, by this continuous advice, if they buy in good faith, and relying upon the assurance of the seller, a spurious article, perhaps at a high price, which will prove either useless or perhaps positively injurious to their crops.

If, for instance, any one purchases guano, trusting to the statement of the vender that it is a genuine and valuable article, paying \$40 or \$50 a ton for it, which is in reality a miserable combination of lime, plaster, salt, coal ashes, and a pinch of guano to give it smell and color, (see analysis of Chilian guano below, taken from the London Agriculturist of May 24,) which will give no remunerative return for its application, he does not condemn the article he used, so much as the spirit of improvement which prompted him to make the trial, and the entire discredit of EFFECTS OF THE WINTER ON FRUIT the operation falls, not as it should on the head of the vender, but upon the advocates of progressive agriculture; and the untiring efforts of the friends of improvement are all laid under suspimany, for it has been discovered by the editors of the Country Gentleman, that an article denominated Chilian guano has been largely manufactured, and sold over the country, and some even! shipped to England, at the price of \$40 a ton, that is not worth \$10 the ton. It is composed of

Water	1.0
Sand	2.4
Organic matter, (Sagar-house scum)	5.3
Phos. Lime	4.5
Plaster	
Salt	
Chalk	7.6
_	
O	0.5

of which there is 1.06 per cent. of ammonia—and this abominable preparation is endorsed by Dr. the previous day, nor so low by fifty-six degrees Hayes of Massachusetts, and Prof. Mapes, of New as in the 19th of 12th month. York, and some others, and has been widely recommended as a valuable fertilizer.

ing, too, from the very men who make the largest not consider the value of the signs. protestations of zeal and enthusiasm in the agri-

But they too have to meet the low-minded cultural cause. It is an outrageous and abomto be discouraged in the future, but with renewed zeal make other efforts, only hereafter being eareful to purchase their material from men because they are cheap, nor unless heartily endorsed by men who can be depended upon.

It is to be desired that the exposure of this humbuggery as published in the Country Gentleman and American Agriculturist should have the largest publicity, that the public may become so thoroughly awakened to a sense of the benefit good special manures may do, and of the worthlessness of the bad, that there may be a larger use of the former every year. And we cannot help believing that those interested in agriculture in our Commonwealth have so large a share of good sense as to be able to discriminate between the good and the bad, and while they award the largest share of praise and encouragement to all who are honestly laboring to forward the cause amongst us, no less thoroughly to condemn all quacks, and venders of patent agricultural medicines, whether for men, animals or the crops.

For the New England Farmer.

TREES.

CORRECTION.

Friend Brown:—I have no desire to appropriate too much space in the Farmer to myself, cion. But such must this year be the fate of but noticing several serious mistakes in my communication which appeared in the last number, I venture to correct them.

In the 19th line, for "9°" and "8°" read —9°

and —8°, or, 9° and 8° below zero.

In the 21st line, read -14°.

In the 26th line, read —28°.

In the 30th line, read -38° .

In the 31st line, read $-24\frac{1}{8}$. In the 39th line, read -40° .

A great difference will be seen in the two readings,—a difference equal to twice the number of degrees indicated. In the first, too, there is a manifest inconsistency which no reflecting reader will fail to observe, for it makes me say that in the "coldest day on record in this county," the mercury did not fall so low by ten degrees as in

The sign minus (—) is commonly used to indicate below zero, and in my communication I used it accordingly. No doubt the mistakes What a terrible stab from behind is this, com- were made by the compositor, who, perhaps, did

Perhaps it may not be out of place to make a

few remarks upon the effects of the extremely cold weather of the past winter upon fruit trees. Apple trees are injured worse than any others. Many large, thrifty trees have lost nearly all of last year's growth. A large tree in my garden is nearly dead. One limb, which bore half a bushel of fine Greenings last year, looks as though it will never produce fruit again. Grafts set last spring, and which grew two feet or more, are, in many cases, entirely dead, and in others only a few inches of the larger end is alive. Young orchards, too, have suffered very much.

fruit, that has borne a few years, informs me and came fine and gentle, not much more than that his trees are nearly all dead, causing not a mist, and continued so for twelve hours, when only a pecuniary loss, but a sad disappointment. it increased to a continued drenching rain, which Several maple trees, standing near his house, are has thoroughly saturated every thing out of also killed, although they had grown five years. doors. Crops never needed rain so much. Grass I have not heard of an equal amount of damage was dried up in spots over our intervales, and in any other place, though all are complaining was fast extending over the whole. Corn that S. VARNEY. of injury.

Bloomfield, C. W., 6 Mo. 5, 1855.

EXTRACTS AND REPLIES.

AN EXAMPLE.

Gentlemen:—Nearly two years ago, I accidentally became a subscriber to your paper, and I must confess I am not sorry for it. My family now watch for its coming each week; my young men, too, delight upon "it to gaze" and I am glad to have them receive instructions therefrom, and feel assured their morals will not be corrupted thereby, but that they will be benefited and strengthened in the way to respectability and usefulness. Need I inform you that their joys are my joys? Enclosed are two dollars to pay for my subscription for one year in advance from September neat, for which please send me your I am, very truly yours. receipt.

Burlington, Vt., June 11, 1855. Remarks.—Though often receiving letters similar to the above, we do not often indulge in showing them to our neighbors. But this comes with so many tokens of grace and heart, that we cannot keep it to ourselves. It not only brings the ordinary wound; the disease seemed to be cradisinew of all agricultural and commercial prosperity, the cash, but is accompanied by three excel-with grafting wax immediately after the applicalent communications, each written in a clear, tion of the turpentine. As this disease does not fair hand, and only upon one side of the sheet affect trees in this vicinity, I am unable to test the What a noble example! May the writer live to have the opportunity; it does not seem to me see the New England Farmer a thousand years that the disease is beyond the reach of some speold, and welcomed by as many and as heartily as cific remedy. Will some correspondent tell us were the recent rains of which he speaks in one what they know of this remedy? of his communications.

FOUR FAT BEEVES.

I noticed in the May number of the N. E. Farmer an inquiry of the live and dead weight of cattle. In the winter of 1854 I fatted four beeves which were butchered, and I send you a been using it on plum trees, and find it promstatement of their weight, which shows that by weighing them alive and deducting one-third, applied it are now partially covered with a new will give very nearly the weight of the quarters, tallow and hide, when dressed.

1 Cow, 11 years old past, 1360, off one-third............907 Quarters 715, tallow 100, hide 90......905

1 Steer, 3 years old past, 1443, off one-third	
1 Steer, 2 years old past, 1225, off one-third	
1 Steer, 2 years old past, 1410, off one-third	
Quarters 762, tallow 109, hide 89	.960

Yours and a subscriber, Skaneateles, N. Y. 1855. P. WHITTELSEY.

THE SEASON IN VERMONT.

We have just had the finest rain I ever witnessed, or at least it has been most appreciated: A neighbor, who had a fine orehard of grafted it commenced Saturday evening, the 3d instant, was planted early did not grow, while that more lately planted did not find moisture to sprout, or if it did, dried up. The same was the case with English grain. We have not had any rain since the season for planting, or even since the snow went off, to soak the ground. It has given new life to vegetation and the heart of the farmer.

Bolton, Vt., June 5, 1855. A Subscriber.

READING AND THINKING.

peruse its well-filled and ever interesting columns. beginning to see the importance of reading and I rejoice to know that many of our farmers are thinking before acting, upon the subject of farming as well as political matters. I find many who are willing to be called "book farmers," provided there is money in the affair.

SOLOMON STEELE. Yours,

BLACK KNOTS ON PLUM TREES.

Mr. Editor:—I was reminded a few days since by an article in your paper of what I saw in Nova Scotia. A gentleman pointed out to me some fine looking plum trees from which he had partially or wholly cut out the black knot, and then rubbed in spirits of turpentine. The wounds were healed up wholly or partially, as from any cated from the previously affected part. I suggested to him the propriety of covering the wound

Bethel, Me., June 5, 1855.

Remarks.—Since having been informed of the use of spirits of turpentine as a remedy for the black knot on plum trees, by a lady, who communicated the fact through the Farmer, we have ises well. Some of the places on which we first and healthy-looking bark.

If it proves a remedy, it will be an important

now to solder.

For the New England Farmer.

ARTICLES IN SEASON.

In the Farmer, for February 3, there is an arwith him. Having to join a pipe full of water, The remarks I am about to make have reference which could not be excluded. I cut off the end, to the Monthly Farmer. Let us reason together, seamed it out somewhat larger than for an or-and see if your correspondent has any cause for dinary joining to solder, and filled my splice with complaint in this matter. This being a season of considerable lap; I then took a strip of new cot-the year when there is not so much to do as there ton cloth, dipped it in *hot* grafting wax, wound will be two months hence, it is a favorable time will be two months hence, it is a favorable time it round the joint, and, before it had time to cool, for the farmer or gardener to study out improved plans in plowing, sowing, harvesting, or improved modes of feeding oxen, cows, pigs or poultry. He tries his plans, and notes the result, and not being a selfish man, he commits it to ABOUT POTATOES.

If I had leisure, I would give you an article on potatoes, and, if you wish, will do so hereafter, detailing some "well-conducted experiments" in reference to an article in your last fellow-men. It will be seen by this that an arnumber, signed "S. P.," which he closes by saying. "Are there any experiments to prove it? If if it is two months too late, it is, at the same not, let us discard theory and determine the time ten months too late, it is, at the same not, let us discard theory and determine the not, let us discard theory and determine the time, ten months too soon! Hence the value of facts." I can at this time only state a few an agricultural paper in book form—it being facts." One is, that there are certain fixed supplied with a complete index of all the suppose principles or laws of nature, that, if known and treated upon, likewise a list of the correspondregarded, will secure uniform results, invariably, ents' names, so the reader has no trouble in findunder the same circumstances.

Failures are easily explained by one acquainted scriber to the present New England Farmer ever with these laws, on learning the management in since it was published, and if I could not replace

The writer of the article referred to above, same reason that, with a given amount of feed, does not seem to like the idea of reviewing the

Whitinsville, Mass., Feb. 8, 1855.

For the New England Farmer.

THE WEATHER AND THE CROPS IN NORTHERN VERMONT.

Mr. Editor:—May was free from rain; vegeyears after I passed his house (in Vermont,) and tation, was kept upon "short allowance" all through the month, and her kindest friends began to despair of her success. Many a countenance was o'creast with gloom. The forebodings color, size and time of ripening potatoes, are in regard to the drought were very serious and equally and certainly subject to these principles plentiful; but June came, and with it gentle, and governed by these laws. And the same I gentle and most welcome rain. Never did it deem reliable in grain and fruits, if we raise the cheer the heart of the husbandman more; in fact it cheered everybody, for the merchant, mechanic, manufacturer and professional man now see clearly the great importance of the farmer, and of good crops, for without them business of all kinds languishes, and the grass is made to Farmer, a few weeks since, please inform him it has rained with us every single day, and it now grow in our thoroughfares. Since June came in, that by cutting his pipe smooth at the end, and continues its gentle and welcome visits to the crowding in six inches of a candle, softened on previously parched earth. I am not of the fault-the outside by a 'tot copper, and then pouring in finding or never-to-be-satisfied kind; still if it inding or never-to-be-satisfied kind; still if it is the outside by a 'tot copper, and then pouring in six inches of a candle, softened on previously parched earth. I am not of the fault-the outside by a 'tot copper, and then pouring in six inches of a candle, softened on previously parched earth. I am not of the fault-the outside by a 'tot copper, and then pouring in six inches of a candle, softened on previously parched earth. I am not of the fault-the outside by a 'tot copper, and then pouring in six inches of a candle, softened on previously parched earth. I am not of the fault-the outside by a 'tot copper, and then pouring in six inches of a candle, softened on previously parched earth. melted tallow, he may stop the water perfectly continues much longer, we, like Maeduff, shall tight, and then perform the work desired. After cry "Hold, hold, enough!" Still a wise Providence orders all these things aright, and in his moved by pouring on hot water. There should hands are we resigned to place the matter. The ground needed a most powerful rain, a thing it the place to be soldered. This reply is from ae-has not had for a year or more, and now we have it. Our long empty cisterns, wells, brooks and

Mr. Editor:—Having once answered an inquiry, made through the New England Farmer, for which I received many thanks, I am induced to say a word in answer to "P. I.," "How shall you do not insert the articles you receive till two months after the season of operation is over months after the season of operation is over the season of operation. confined it with a strong twine. It has answered perfectly since. Yours truly,

Lancaster, June 4. BENJAMIN WILLARD.

ABOUT POTATOES.

a particular case. Large potatoes may give small them with others, I would not part with them returns simply because of over-seeding. Half the for four times what they cost me. seed, even of small ones, may do as well, for the six small pigs would make as much pork as previous number. I cannot see any objection to twelve larger, finer animals, limited to the same this; I like it.

Yours, HUNTER. amount of feed and room. Had the Connecticut neighbor, "S. P.," cut off the cluster of eyes at one end of his large potatoes, and the feeble eyes at the opposite stem end, and planted only three or four central eyes, both gentleman would have learned something by experiment. I once told a curious, quizzing man, how he could raise pota-Two toos with four fingers, like a man's hand. he was sorting a lot of potatoes, among which he found more than a peck of fac similes.

I will add, my convictions are that flavor, BENJAMIN WILLARD. unmingled seed.

Luncaster, June 4, 1855.

ABOUT SOLDERING PIPES.

In reply to "Prof. Tinker's" inquiry in the be a space of six inches between the tallow and tual practice and not dead theory.

Tinker Porter. Vt., May 23.

streams will again appear as of old. Each will

rejoice at finding itself "at home again."

and gram have grown astonishingly. We fear the former will be rather light, however, owing to the fact that in many places it was either will be the fact that in many places it was either will be the largest ever realized in this country. "winter or summer killed;" many spots being entirely free from all signs of verdancy. The severe drought of last season, no doubt, injured grass in many places, and then the very dry grave it a complete quietus. At best, our have grown as we now that is negled to enow the labour of the growing crops, and there is now every reason to believe that the harvest of 1855 will be the largest ever realized in this country. Stimulated by short supplies and high prices, and by the prospect of a ready market in Europe, an unusual breadth of land has been seeded, and thus far a kind Providence has withheld nothing plete quietus. having. Corn, potatoes, &c., are springing up general tenor of accounts from various quarters. finely. With warm and sunshiny weather, they will now come on rapidly.

planted the seed" this year. If she "reaps as she |ner|. has sown," our storehouses will be too small, and we can feed all of our neighbors with a surplus, ishing with drought, and all vegetation is grow-May the great industry and hopes of our farmers ing rapidly. We think the amount of grain and be fully realized this autumn. It will give cheer potatoes put into the soil this year, is full oneto every interest; it will speed the spindle, the third more than usual, and if the crops do well, ears, the ship; give enterprise a new joy; com-there will be an abundant harvest."—Rutland merce new energy and hope, and the whole coun- (Vt.) Herald. try will go on rejoicing in plenty and cheerful-SO-MAY-1T-BE. ness.

Burlington, Vt., June 11, 1855.

For the New England Farmer.

CHEAT IN FERTILIZERS.

Scarcely a paper comes to hand, that does not contain more or less notice of these impositions. The grossest of the kind we have seen, is the mode of compounding an atticle, called "Mexican guano, almost equal to Peruvian," for which an establishan experiment, is most astounding.

imposes upon the honest tiller of the soil, by put- rannah Republican. ting forth such spurious articles, is as much more

June 11, 1855.

The Farmer's High School, incorporated by now." - Cincinnati Gazette. the last legislature of Pennsylvania, was organized at Harrisburg on the 14th. The offer of Gen. Courier, 14th inst., who has spent some time in be located in Harris, Centre county, and other paper that in the crops generally were unusually of the localities.

THE HARVEST.

Our exchanges from every quarter bring cheer-The effects so far have been surprising. Grass and grain have grown astonishingly. We fear plete quietus. At best, our hay crop, as we now that is needed to crown the labors of the husbandthink, must be much under the average, making man with success. From the harvest reports beall allowance for the powerful effects of the long- fore us, we call a few particulars, showing the continued and most welcome rains we are daily general tenor of accounts from various quarters

"Maine never had so much seed in the earth ill now come on rapidly.

Be assured that old Vermont has "sown and promising for bountiful crops."—Augusta Ban-

"The rain has saved the crops that were per-

"A gentleman who travelled through the central and southern portions of this State quite extensively during the last ten weeks, informs us that the prospects of a good crop are encouraging. Much of the damage done to wheat fields he attributes to poor tiflage, and thinks the devastations of the fly are greatly over-estimated."— D_{ℓ} troit Tribune.

"The cotton and provision crops along the seaboard of Georgia, are also very promising. The cotton is somewhat backward but is doing well. almost equal to Peruvian, for which an establish-cotton is somewhat backward but is doing well, ment is said to be founded near New York. That A friend writes us from Bryan County, that the any man, or association of men, with any regard late rains have started the grass to growing as to character whatever, should presume upon such well as the cotton, and that it is all the planter can do to keep it in subjection. The provision If we do not mistake, many of the condensed crops in the southern portion of Georgia were fertilizers now before the public, will be found, on being tested, equally valueless. These patent invigorators of the fertility of the soil, like the pa- out this State. Less land has been planted in cottent restorators of the health of the body, will be ton and more in grain, than in former years, and found like their authors mere humbugs. Some the prospect of an abundant yield is most encourdiscriminating test of quality, or guarantee of aging, especially of the provision crops, notwithpurity is imperatively demanded. The man who standing the backwardness of the season. —Sa-

"In a journey of 3,890 miles through portions ting torth such sparious articles, is as much more guilty than he who practices other counterfeits, of the States of Ohio, Kentucky, Indiana, Illias is the fraud more difficult of detection. We nois, Missouri, Iowa, Michigan, Pennsylvania have witnessed, the present season, striking illustrations of the fertilizing power of genuine guano on grass land. Many of our gardeners have applied it in connection with other manure, where growing crops. In a travelling experience of the prospect of t plied it in connection with other manure, where some than fifteen years, I have never seen so vegetables are to be grown, and we hope to hear more than fifteen years, I have never seen so broad a portion of the country under cultivation as at present, or a period when the crops of every description promised a more abundant yield than

A correspondent of the Charleston (S. C.) Irwin to give 250 acres of land if the school shall Upper Georgia and East Tennessee, informs that propositions to give or sell sites, were referred to promising, and the extent of culture beyond for-be reported on early in July, after an examination mer years. The wheat harvest had commenced in Georgia, and will soon be ready in Tennessee.

A gentleman well qualified to judge, estimates that one county of Georgia alone will yield 100,-000 bushels of wheat, and there is every prospect that the leading provision staples in that great grain region will at no very distant day settle at the old prices."

A letter from Knoxville, dated the 6th inst., says: "We have recently had copious rains, and our crops in East Tennessee, except oats and hay, will be very abundant. Wheat is very promisper is best of all. Silk intended for dress should ing indeed, and will be gathered in two or three not be kept long in the house before it is made weeks. Crop will be two or three times larger up, as lying in the folds will have a tendency to than ever before."

says:-"The improvement in the growing crop gum. of wheat, for the last two weeks, has astonished list Tuesday.

tent grain reapers, threshing machines, and other should be moistened with weak glue or gum-waagricultural implements.

The generally favorable tone of these reports is slightly modified by accounts from certain quarters, of the appearance of the bug or the fly among the grain fields. It is generally reported, too, that the coolness of the spring has kept back corn. Oats, also, in some localities are not a promising erop.

For the New England Farmer.

GOOSEBERRY CATERPILLAR.

Mr. Editor: -Can you, or any of your correspondents, inform me of any method of destroying the gooseherry caterpillar? For a few years past, all our gooseberries have been destroyed by this destructive insect; they have just commenced their work of destruction, for this year, and are now about one-fourth of an inch in length, and of a whitish-green color, and when full grown, they are about one-half an inch in length, and of a pule green color, and oftentimes of a greenish brown. GEORGE G. CHENEY.

Weston, June 5, 1855.

Remarks.—Cole, in his Fruit Book, says that spent tan strewed under and around the bushes, will sometimes prevent the ravages of the gooseberry eaterpillar. We have experienced no difficulty in this way, and know of no certain rem-

Flour is offered in the New York market, a barrel, without finding a purchaser.

LADIES' DEPARTMENT.

DOMESTIC RECEIPTS.

To Keep Silk.—Silk articles should not be kept folded in white paper, as the chloride of lime used in bleaching the paper will probably an ever before."

The Charleston (Va.) Free Press of the 14th, particularly if the silk has been thickened by

Thread lace veils are very easily cut; satin and every one. Barring any further injury, we think velvet being soft are not easily cut, but dresses of the yield this year will be fully equal to that of velvet should not be laid by with any weight last year. Some of the farmers in the vicinity of above them. If the nap of thin velvet is laid Fredericksburg commenced harvesting their wheat down, it is not possible to raise it up again. Hard silk should never be wrinkled, because the A gentleman who travelled over 600 miles in thread is easily broken in the crease, and it never Illinois within a few days, returned to Chicago can be rectified. The way to take the wrinkles and reported on the 11th that the wheat fields, out of silk scarfs or handkerchiefs, is to moisten without exception, are promising unequalled the surface evenly with a sponge and some weak crops; the corn is also luxuriant, in some places glue, and then pin the silk with some toilet pins almost in tassel; and the fruit erop is tremendaround the shelves on a mattrass or feather bed, ous, being the greatest abundance of apples, taking pains to draw out the silk as tight as possible. When dwy the greatest abundance of apples, possible when dwy the greatest abundance of apples, taking pains to draw out the silk as tight as peaches, cherries, &c., wherever there was a tree possible. When dry the wrinkles will have displanted. The wheat crop will probably be 25 per appeared. The reason of this is obvious to every cent. greater than ever before grown in Illinois; person. It is a nice job to dress light colored and about half the freight cars are laden with passilk, and few should try it. Some silk articles ter, and the wrinkles ironed out by a hot flatiron on the wrong side. - Scientific American.

> Sponge Cake, No. 1.—Three-quarters of a pound of flour, twelve eggs, one pound of sugar, a table-spoonful of rose-water. Beat the yolks and sugar together until they are very light. Whisk the whites till they are perfectly dry, add the rose-water, then the whites and flour alternately, but do not beat it after the whites are in. Butter your pans, or if you wish to bake it in one large cake, grease a mound, pour in the mixture and bake it. The small cakes should have sugar sifted over them before they are set in the oven, and the oven should be hot.

Sponge Cake, No. 2.—One pound of sugar, three-quarters of a pound of flour, ten eggs. Dissolve the sugar in one gill of water, then put it over the fire and let it boil. Beat the eggs a few minutes, till the yolks and whites are thoroughly mixed together, then stir in very gradually the boiling sugar; beat the eggs hard all the time you are pouring the sugar on. Beat the mixture for three-quarters of an hour; it will get very light. Stir in the flour very gently, and add the grated rind of a lemon. Butter your pan and set it on the oven immediately.

Sponge Cake, No. 3.—Five eggs, half a pound of loaf sugar, the grated rind and juice of one lemon, a quarter of a pound of flour. Separate the yolks from the whites. Beat the yolks and sugar together until they are very light, then add the whites after they have been whisked to a dry froth, alternately with the flour. Stir in Flour is offered in the New York market, the lemon, put the mixture in small pans, sift for delivery in July and August, at less than \$9 sugar over them, and bake them.—National Cook Book.



ARTS AND SCIENCES

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JOEL NOURSE, PROPRIETOR OFFICE QUINCY HALL.

SIMON BROWN, EDITOR.

CALENDAR FOR AUGUST.

"The FARMER's life displays in every part A moral lesson to the sensual heart.



Summer months, has come; the fulness of the year has past; the wheat, and some other important crops, are gathered; and though the potatoes, and other roots, the apples, the buckwheat and the golden corn remain to be harvest-

ed; yet the flush and fulness of the year are gone. Like a beautiful woman, just past her prime, when the vigor of health and fulness of outline are so imperceptibly touched as only to add new charms,

so the vegetable kingdom compensates us for the loss of its robust habit in a thousand beautiful and unthought of shades and shapes. Indeed, "the whole face of Nature has undergone, since last month, an obvious change; obvious to those who delight to observe all her changes and operations, but not sufficiently striking to insist on being seen generally by those who can read no characters but such as are written in a text hand. the general colors of all the various departments of natural scenery are not changed, their hues not July or September; that it has its appropriare; and if there is not yet observable the infinite ate functions, as have all the other Months, and variety of autumn, there is as little the extreme that it is devoted to the discharge of them. monotony of summer. The woods, as well as the single timber trees that occasionally start up with young, and taught them, to perfection, how to such fine effect in the midst of meadows and corn-fily, how to provide their food, how, in their turn. fields, we shall now find sprinkled with what at to build and lay and rear their young, and when first looks like gleams of scattered sunshine lying to leave their native land and flee to kindlier

among the leaves, but what, on examination, we shall find to be the new foliage that has been put forth since midsummer, and which yet retains all vgust, the last of the the brilliant green of the spring."

> As we said of July, so we say of this month it is peculiarly August-like. The general appearance of the country is unlike that of any other season. The mornings and evenings are sometimes a little chilly, then close, damp, "muggy," and hot, with a kind of suffocating influence on the sick, while the glaring sun at noon burns with fervent heat. These are the joyous hours, however, of the locusts, whose intense earnestness of song is only less fierce than the sun itself, and wakes the tired laborer too soon from his accustomed nap at noon. The air glistens with the radiated heat, fowls drop their wings, cattle stand in pools, or seek the shade of some friendly tree, standing singly on elevated land, where every breath may cool their heated sides. Dogs plunge into the water, while the eat seeks some dark corner, where neither sun or flies will torment, and sleeps quietly away the day. Young cocks begin to crow lustily, often starting their "pitch" a good deal too high, and break down before they have accomplished balf the scale. Young bitterns occasionally show their javelin-like bills above the high grass, on the look-out for danger, as they leave their native meadows for some wider field of action. Crickets chirp solemnly in the evening, children crunch green apples and hate to go to hed, though the latter only is not peculiar to the season.

> Those who observe, will notice that August is

All is August-like. The birds have reared their

skies; that is, they have attained all they need, How that is, we do not know. to enable them to fulfil the object of their exist-that a vast amount of labor is annually expended ence. Brief lessons, yet how perfectly acquired, in "bush-whacking," and it is labor that will not and how competent to enable them to gratify stay done. In a summer or two they are up again their wants.

freshness and elasticity—the heat is more op-the results watched, so as to know what advanpressive than ever-man and his animals get tired tages may be derived from it? Burn the bushes sooner than in July, and the returning Sabbath on a single acre after they are cut, and then plow is welcomed with grateful delight.

"How sweet the Sabbath wakes its rest again! And on each weary mind what rapture dwells, To hear once more the pleasant chiming bells, That from each steeple, peeping be re and there, Murmur a soothing bullaby to care."

Appropriate and peculiar duties also belong to August. The first of the month may be improved to get in a crop of flat turnips, where circumstances have prevented its being done earlier. Superphosphate of lime will be an excellent manure for them, if the barn manure is not to be Let the sowing immediately follow the harrowing, while the soil is fresh and moist. Thin them early and hoe frequently, and a good crop may be expected. Nothing will prove more advantageous to your milch cows than a plentiful supply of roots with their winter feed. largely increase the flow of milk, and keep the system in a healthful condition. If there is a mixture, comprising turnips, beets, carrots, parsnips, rata bagas and mangels, so much the better.

If the hay erop proves short, sow a liberal breadth to turnips, in order to make up the deficiency.

Weeds.—Keep down the weeds. Each fullydeveloped dock, or wormwood, sorrel, mullein or mallows, leaves seeds sufficient to propagate its kind for years to come. The thorough cultivation of this year lessons the labor of the next, and gives vigor and weight to the crop now under your hands. Do not "lay down the hoe" yet. What a proud moment it is, when the best farmer in your neighborhood declares to you that a handful of weeds cannot be found in your six acre lot of potitoes and corn! Weeds perpetuate their kind, steal nutrition from the crop and ex-Who can afford to let them grow? haust the soil.

Having.—Some persons do not cut their meadows—that is, low land bearing an inferior grassuntil late in August, or even September. rest of us.

But it is evident as large as ever, and the work must be done over The Dog-Star rages. The air seems to lose its again. Now suppose an experiment is made, and as well as it can be done, say two, three or five inches, and apply some sort of manure-guano, bone-dust, or superphosphate, if other is not to be had. We should prefer the bone-dust, 500 pounds to the acre, and then sow a mixture of grasses, in which white clover seed should make a part. Will some person make this experiment, and let us know whether it proves better than the annual cutting of bushes?

> Draining.—Our summer droughts usually afford a fine opportunity in August to ditch and drain the wet portions of the farm. Let it be improved.

> Meadow Muck.—No one thing has wrought higher advantages to the farmer, than the exchange of a portion of his sunken swamp land to the high ground, and returning some of the sand and gravel to the low. It greatly benefits both. It is not necessary to recapitulate these advantages here, but only to suggest that the time is at hand.

As an absorbent to the manure heap, meadow muck is worth, at least, \$2,00 per cord, where the farm contains what is usually denominated plain land.

California Trees.—The San Joaquin (Cal.) Republican tells some famous great stories about the mammoth trees of Calaveras County. In one grove of them, it says, there is a first-class hotel well fitted up, and with fine accommodations for travellers. Near the hotel is a building eighty feet long by fourteen feet wide, divided into two fine bowling alleys and built upon the top of a fallen log! The lower part of the log, which is separated from the main portion, is placed on end, and is to be hollowed out and converted into a spacious ball-room more than thirty feet in diameter.

TREES FOR RAILROADS.—The Chicago Press says these grasses are far more valuable cut as soon as that the Illinois Central Railroad Company have they are in bloom, made as little as possible, so contracted for the planting of three rows of locust that they will keep, and put away with three or trees on each side of the Illinois Central Railroad four quarts of salt per tou. Cattle will eat one for the distance of one hundred and twenty or two fodderings of this each day in preference miles. The rows are to be set eight feet apart, to feeding entirely on good upland hay. It af-and the trees three feet from each other. In eight fords a variety, and they like this as well as the years, it is said, the trees will furnish ties in place of those which have become rotten. Pastures.—There is a general belief that Au-will also furnish a delightful shade in summer, gust is the favorable month for cutting bushes. and a protection from the snow drifts in winter.

For the New England Farmer.

PREJUDICE AGAINST FARMING.

for a year or two, I have become much interested within one-fourth of the time, and with one-half in agriculture, and long for the day when I can of the expense? Why not sow all of your seeds leave my office and give to it my energies, care by hand, instead of using machines? This list and thoughts. To me, no employment seems might be greatly increased, but enough for the more ennobling. None, I am satisfied, is more illustration. conducive to true manliness, citizenship and fully aware of all this. Could they realize it so, test and make sure, and which are given to us in and feel its truthfulness in all its length and return for the merest trifle. breadth, a great change would be manifest. Let no one get so well-informed as to reject Formerly it was thought dishonorable, low and suggestions, none so ignorant as to fear to read, stupid, to till the soil. A farmer was an ignorative fellect and digest. The bee gathers sweet from mus, a mere "plow jogger," one with "huge every flower. May we not, in the like manner, paws" who knew but little, was rough, ungather valuable ideas from others' suggestions and sampled to the low was contract the vailed to a very great extent. Prejudice had its sweet, leaving the bitter and poisonous. full sway, and the farmer was spoken of with ridicule and sneers. This silly notion, which prevailed extensively, had a most powerful and in-jurious influence. No farmer's sons would be a "plow jogger." They were too ambitious to be called dumps, blockheads and ignoramuses. Too proud to till the soil amidst the sneers and jeers of these who "put on airs," and made it in their line to "look down upon them," they sought other employment. The consequences have been manifest, viz: too much competition in manufactures, in merchandizing, the professions, and so on, and a great scarcity of the real and absolute necessaries of life. These things will, in time, regulate themselves. The prejudice which has existed against farmers and farming is rapidly passing away. Ten years have accomplished much; ten more, with the aid of the press and with high prices of products, will do still more. There is, occasionally, however, a deep prejudice against "book" or "newspaper farming." This prevails, in many places, amongst "old fashioned" farmers, and to me it appears so unsatisfactory and so unsound, that I am half inclined to read them a "Caudle lecture" npon it, for it is tantamount to saying, there can be no improvement, no progress; that one man's mind contains all the knowledge there is, suggestions from others are of no account, "we know it all," and therefore shall continue in the "old beaten path", as we have done for years. Our fathers did so and so. Mr. So-and-so did so, and Capt. Success did so too, and what more do you want? "Let well enough alone." Continue to put the grist in one end of the bag, and a stone to balance it in grain and grass with the hand scythe, -the "old large and able corps of contributors.

and good fashioned way," instead of using the mowing or the reaping machines? Why not thrash with the frail instead of using any of the Messrs. Editors: - Having taken your paper modern inventions to accomplish the same result

Give me, I say, suggestions, give to me the restrict morality. With the farmers rest the wel-sults of others' watchfulness, vigilance, industry fare of our nation; with them rest sound morali- and knowledge, give to me the result of many ty, patriotism,—all the cardinal virtues and the valuable experiments by others, which may have well-being of the republic. Oh that they were cost them hundreds and thousands of dollars to

learned, and half-civilized. This impression pre-experiments! Like the bee, we can extract the

Burlington, Vt., June. A Subscriber.

THE RAIN CONCERT.

Millions of tiny rain-drops Are falling all around; They're dancing on the house-tops, They're hiding in the ground.

They are fairy-like musicians, With any thing for keys, Beating tunes upon the windows, Keeping time upon the trees.

A light and airy treble They play upon the stream, And the melody enchants us Like the music of a dream.

 \mathbf{A} deeper bass is sounding Where they're dropping into caves, With a tenor from the zephyr, And an alto from the waves.

O'tis a shower of music, And Robin don't intrude If, when the rain is weary, He drops an interlude.

It seems as if the warbling Of the birds in all the bowers Had been gathered into rain-drops, And was coming down to showers.

The blossoms are all bathing In the liquid melody, Breathing thanks in sweetest odors, Looking up into the sky.

C. D.

To Correspondents.—We have now on hand the other, because our fathers did, or Mr. Snipes numerous articles from correspondents, discussing or Smith did so! This is a changing world, one with ability a variety of subjects, together with of progress and real improvement. We mever many inquiries, which will all be attended to as stand still, be assured of this, and he who through projudice or ignorance perseveres in old notions," when new and better ones are apparent, permits. These attentions, by correspondents, is, it seems to me, "a little behind the times." are a constant source of encouragement to us, Mr. Progress will, you may be assured, outstrip and must result in great benefit to the reader. you. Why not freight by four horse teams at a The Farmer was never so prosperous as at the dear price your produce hundreds of miles instead of availing yourselves of cheap transportation by present moment, and we may reasonably impute canals and railroads? Why not cut all your much of this to the ability and constancy of its

MARLBORO', MASS.

ligion, and in their political predilections are ac- petuate their millions to plague and prey upon and emoluments of office.

and its rich grasses that clothe the sweeping and to his own judgment. meadows. In past times the cultivated lands rich hill-sides. our own people, as well as those from more distrils. tant lands. Marlboro', then, has been as nearly a perfect little republic as could be found. Adam regrets can be reaped there. If the loss of the Smith might have pointed to it as a model. But present year's crop were all, the evil would be Marlboro' now, must look well to her laurels or less-but it is not so. The tree loses a year's they will be wrested from her!

In visiting the State Farm at Westboro' dur- again and torment their propagators. ing the last two or three years, we have had oceasion repeatedly to pass through this town, and to notice with some care the evidences of thrift or decline which might meet the eye of the trayeller. And the indications of either thrift or decline are obvious to a casual observer; thrift in a fluctuating and uncertain business, which may excite competition between, and bring profit to a whether it is wisest to plant large potatoes or strengthens the affections, rears the school-house that lately came to my knowledge in regard to ple are evidently divided. Whether they are haps, may also shed some light on this matter. generally affected, or mostly those living upon the line of the great roads, we are not able to say.

more favorable to the cultivation of fruit than to a yield of potatoes the last season of severe the hills and broad swells of Marlboro', and none drought, that struck me as being very extraorwhich has produced more profit under a liberal dinary and worthy of notice. Mr. Elias Thomas,

and judicious cultivation. What has been our This ancient town is one of the most beautiful surprise, then, for two or three years past, to in the Commonwealth. Its people are intelli- see these noble old orchards defoliated, poisoned, gent, enterprising and industrious, who main- and become loathsome to the sight, by allowing tain excellent schools and the ordinances of re- caterpillars to fatten upon their foliage, and pertuated more by the principles of humanity than them again! How short-sighted must be the noby a course of policy merely calculated to sust ions of economy of any man, who thus suffers a tain a party rule, or share in the general honors whole crop to be torn from his possession, after the labor and care of many successive years have A portion of the town is quite attractive, from nearly completed it, to drop in bountiful fruition its varied surface, and its excellent and highly-into his open hands! It is a policy at once discredcultivited lands; its sweet pasturage on the hills itable to the noble art in which he is engaged,

The labor of an active man for two days, divihave been so admirably managed, and the crops ded into periods of two hours each at the proper produced so abundant, as to entitle her to the time, would entirely destroy the caterpillars from credit of the second best agricultural town in the an orehard of two hundred trees, and thus leave State! This was a compliment, not only to the them free to gladden the heart of their owner industry and skill of her people, but, as we have and the eye of the traveller, and to perfect the never known a high degree of agricultural success erop of fruit. Two poles of unequal length, with attained in a licentious or indolent community, a spiral brush on one, and a bunch of rags on it was as much a commendation of the morals the other, and a bucket of soap suds, are all that and manners of the people. But Marlboro' has is needed. Ply these industriously, morning and other attractions, in the well-arranged and well- evening, for a short time, and the orchard and finished dwellings of her homesteads-in the fine fruit is safe, at least from the common caterpilbarns that shelter her ample crops, her noble lar. Yet in the beautiful town of which we have oxen and prolific cows, and in the productive or spoken, whole orehards are, to-day, as barren of chards that covered the slopes of her moist and leaves as they were in March, while their limbs Next to her grass-fields, these are covered with the web, the exuviæ and rotten orchards were the beautiful features which at learcasses of legions of caterpillars, until they tracted the attention of the traveller, both from taint the air and become an offence to the nos-

> Of course, nothing but a crop of sorrow and growth, and the ugly race is perpetuated to come

> > For the New England Farmer.

GREAT YIELD OF POTATOES FROM ONE BUSHEL OF SEED.

Mr. Editor:—It seems a matter yet undetermined, notwithstanding all the talk, and even all the various experiments that have been made, few, and decline, in that noble art underlying small potatoes, cut or uneut, and whether we and sustaining all others, which fosters virtue, should "seed light" or "seed heavy." A fact and the church, and embellishes and beautifies the subject of "seeding," and of a very large the country. The attention and care of her peonot be uninteresting to your readers, and, per-

As I was visiting, a few days since, the beau-There is probably no land in New England series of my friend, B. M. Watson, Esq., of Ply-

the same, I suppose, with what are called further a bud on the point, called the terminal bud, and west Sand-lakes-into eyes, and planted them on the buds inserted should all be wood buds. On good land, seeding very lightly. And from that a shoot of this kind there are a number of buds single bushel, thus divided into eyes, what, think unsuitable for working; those at the base is ing you, Mr. Editor, was the yield! No less than but partially developed, are liable to become seventy-one bushels of first-rate potatoes. I have dormant, and those on the point, where the wood this statement from Mr. Watson, Mr. Thomas's is pithy, perish. The ripening, or maturing of neighbor, corroborated by the testimony of other the buds, must regulate the period of budding. and most trust-worthy individuals. What will so that the time at which any given tree or class some of our most scientific New York editors say of trees should be worked, depends upon the seat-to this matter of light seeding, thus illustrated, son, the soil, and other circumstances which conthose especially who are such sticklers for plant-trol the ripening of wood. In our climate, plums ing the tubers whole?

and lower first thirds, it have one question to find these, and are, therefore, induced mist we put to you. Can you tell me if there is any usually have ripe bads by the middle of July. In white potato that is as prolific as the red or yelsome cases, when the stocks are likely to stop low sort, or that will bear comparison with the growing early, it becomes necessary to take the Sand-lakes? And can you inform me how the bads before the entire shoots have completed their Seal's Foot, State of Maine, and Dover stand growth, and then the ripe bads from the middle in regard to abundant yield? I have never tried and lower parts are chosen. Cherries come next, with the proportion of them the proportion of the p

James Richardson, Jr. Kingston, June 16, 1855.

A FEW HINTS ON BUDDING.

A VALUABLE AND TIMELY ARTICLE.

among fruit trees, the Apple, Crab, Pear, Quince, mature growth.

Mespilus, and Mountain Ash, all belong to the A very great degree of sappiness, in either the same natural family, and may be worked upon stock or bud, make up, in part, for the dryness each other. The Plum, Apricot, Nectarine, Peach of the other. Thus, in the fall, when plum buds the Doucain or Paradise, which are dwarf grow- of them should be chosen to insert the bad on. ing species, and are used for the purpose of In localities where buds are liable to injury from all varieties succeed on the Pear seedling, a certain number fail entirely on the other stocks we have named. Lists of such as succeed particularly well on the Quince will be found in previous numbers of the Horticulturist. The Cherry be taken off with ragged edges, or if it be ever so common pea.

Jr., of Plymouth, cut a bushel of peach-blows—growth, which is indicated by the formation of usually complete their growth earlier than other And now, Mr. Editor, I have one question to fruit trees, and are, therefore, budded first : we either of them very extensively till the present and are generally worked about the first of Au-year. Respectfully yours, gust. The buds must be mature, or a failure will be certain.

In the third place, the stock must be in the right condition—that is, the bark must lift freely and cleanly from the wood, and there must be a sufficient quantity of sap between the bark and wood to sustain the inserted bud and form a union Budding, or inoculation, is one of the most gen- with it. Stocks, such as the common sorts of eral, and, in this country, by far the most implum, pear, and cherry, that finish their growth portant method of summer propagation. This early, must be worked early; while such as the operation consists in removing a bud from the Peach, Quince, wild or native Plum, Mahaleh variety to be propagated, and inserting it on Cherry, &c., that grow late, must be worked late. another which is called the stock. Its success If these stocks that grow freely till late in the depends upon the following conditions: In the autumn be budded early, the buds will either be first place, there must be a certain degree of covered up—"drowned," as it is technically efficient between the stocks and the reset where will all the reset is the reset where will be reset that will formering of our resets. affinity between the stock and the parent plant called-by the rapid formation of new wordy from which we propose to propagate. Thus, substance, or they will be forced out into a pre-

and Almond, form another natural division, and are quite dry, we can work them successfully on work upon each other. The Cherry must be stocks that are growing rapidly. This is a very worked upon some kind of Cherry, and Currants and Gooseherries go together. In general practice the Apple is worked either upon Apple essfully worked than old ones, and when it happenlikes which are called free stocks are now pens that the latter have to be used. seedlings, which are called free stocks, or upon pens that the latter have to be used, young parts

making small trees. The Pear is worked either freezing and thawing in the winter, the buds are upon Pear seedlings, which are called free stocks, safer on the north side of the stock, and when or upon the Quince, to make dwarfs; occasion-exposed to danger from wind, they should be inally it is worked upon the Mountain Ash and serted on the side facing the point where the most Thorn. But it must be borne in mind that while dangerous wind blows from. Attention to this

is worked either upon seedlings of what is known slightly bruised, or if the bark of the stock be not as the Mazzard, a small, black, sweet cherry, lifted clean without bruising the wood under it. that form a very large, robust tree; or for dwarfs, the case will certainly be a failure. The buddingon the Mahaleb, or perfumed cherry, which is a knife must be thin and sharp. A rough-edged small tree with bitter fruit, about as large as a razor is no more certain to make a painful shave. mmon pea.

than a rough-edged budding-knife is to make an In the second place, the buds must be in a unsuccessful bud. It takes a good knife, a steady

proper state. The shoot, or seion budded from, hand, and considerable practice to cut off buds must be the present season's growth, and it should handsomely, well, and quick. As to taking out be mature—that is, it should have completed its the particle of wood attached to the bud, it mat-

ters little, if the cut be good and not too deep, in proportion to the extent of the change,) will In taking out the wood, great care is necessary to notify the horse of your order, and prevent you avoid taking the root of the bud with it. Then, being thrown forward when he obeys, when the bud is in its place, it must be well tied. He will slacken his speed, or halt, without up. Nice, smooth, soft strips of bark, like nar- waiting for the powerful strain of the bit, es-row ribbons, are the best and most convenient in pecially if his mouth has not been calloused by a common use. Every part of the cut must be rider who tries to keep his seat by hanging on to wrapped so firm as to exclude air completely; the reins. Be careful not to spur or rein without and this should be done as quickly as possible, as an object. Let the horse know that no pain folthe air soon blackens the inner surface of the new lows his prompt obedience. parts that are placed in contact.

do their budding; but nurserymen must work in eral, the movement will be done before the rowel all weathers, and in all hours of the day; but touches the skin. their superior skill and quickness renders it less cu'urist.

For the New England Farmer.

"TRAINING HORSES FOR THE SADDLE."

by the movements of the body above the waist, by the horse with more or less rapidity, as the and of the legs below the knee.

Keeping your seat, depends upon keeping the

rests, and are not forced out of the saddle by derstand what is wanted. your own momentum.

rider.

You communicate your orders to the horse, and the same body. inform him of the movement required, by inclining your body toward the attitude you should have when he obeys, and enforce his obedience by the spur or the bit.

If, at a halt, you wish to move forward, or, on the march, wish to increase his speed, a slight Mr. Editor:—I have read the commentaries inclination of the body forward and drawing in your paper on "lunar influences," and must intention, and place you in a position to apply changing the opinions heretofore entertained. I the spur, and resist the effect of any violent should as soon think of consulting the book of spring that might be made by a restive horse.

obeys, resume your former position.

If you wish to wheel to the right or left, a We have thus stated briefly, for the benefit of slight inclination of the body, a pressure of the eginners, the chief points that require particu- rein in that direction against the neck, and a lar attention in budding, or inoculation. Ama-movement of the leg on that side as to apply the teurs, who have little to do, should choose the spur, will move the fore quarters of the horse mornings and evenings, or cloudy, cool days, to toward and the hind quarters from it. In gen-

When you leap a fence, as the horse rises on hazardous. When only a few stocks are to be his hind feet, you incline your body forward and worked, and the weather happens to be dry, a lower your feet, to get your weight to the same thorough watering or two will be of great ser-bearing as his own on the hind legs that support vice in making the bark lift freely.—The Horti- him. Your preparing yourself for the leap when he sees the obstacle, notifies the horse of your intention, and he will spring without waiting for the spurs, which he knows enforce all movements to the front. When the horse leaps, you keep your body in the same vertical position, as he changes his bearing from the hind legs to the To sit on horseback, the rider should retain a fore, bringing your shoulders back and your feet uniform position from the waist to the knee, forward, to resist the shock when his fore feet The changes in position and bearing are obtained strike the ground. All movements are performed

rider's movements are more or less accelerated. Passaging.—To move sideways at a halt (to centre of your weight in a line with the legs of close an opening or clear an obstacle,) before your horse, as seen from front or rear, and, there-moving forward, move the bridle hand toward fore, at the same angle with the ground as his opposite spur. The horse will then move up When the horse, at speed, wheels, he inclines without advancing or falling back. As this is his body to the side he turns to, and thereby resisting the impetus of his velocity in the former direction. If you incline your body with his, ments. He should be first well trained to close up with you keep your centre of gravity at the same other horses, a pace or two from him, or move up angle with the ground as the horse's weight to a gate he is to pass through, that he may un-

A horse can be readily trained so that the rider The skill of the horseman (acquired by practice.) enables him to anticipate the movements saddle as readily as if he stood on the ground, and of the animal, and he so placed at every change with a horse's rapidity added. The horse will of motion, that his own weight does not throw change his position to suit the direction you wish him when the horse attempts to dismount the to point the carabine or the telescope, as though the rider's eye and the horse's legs were parts of

For the New England Farmer.

DOES THE MOON INFLUENCE VEGE-TATION?

back of the feet, will notify the horse of your confess that I do not perceive any good reason for Job to ascertain the influence of Orion and the The horse, after a little practice, moves with-Pleiades on the growing of Indian corn, or the out waiting for the spur to prick him. When he book of Deuteronomy to determine the effect of On the march, if you wish to slacken your lection of the article of February 17, referred to, speed, or halt, the backing the upper part of the is very imperfect; but, if I remember right, it body and putting forward the feet. (more or less, brought to mind a remark of the late Col. Pickering on the same subject, which I always thought strikingly expressive. Some facts, more to the point than any yet cited, will need to be produced told the best method of procedure, and what is before I shall be disposed to admit the direct in the best crop for a piece of low, sandy, damp fluence of the moon on the growth of vegetables land, and whether chip dust and ashes would be of any kind, or the health of persons. We have worth drawing in as a dressing for it! Said land quite enough of superlative fertilizers on earth, is very flat, and is bordered on one side by a mill at the present time, without resorting to the pond, and is not more than eight or ten inches moon for an addition.

June, 1855.

EXTRACTS AND REPLIES.

THE GRUB WORM.

Will you inform me what is the best prevenroots, and more particularly the former, through your paper, as I am greatly annoyed with them the present season?

Lowell, June, 1855.

Remarks.—There is much complaint of the ravages of the cut or grub worms this season, and the question is often asked, How shall they be destroyed? Who can answer it? On flower roots, or any plants cultivated in small quantities, a personal examination would be effectual, as they may be easily found by a little digging. But no remedy readily applied to fields is known to us.

CURE FOR BLACK LEG.

WM. Bethel, of Queeche, Vt., says that this WM. BETHEL, of Queeche, Vt., says that this correspondents, through the medium of your val-disease may be cured by cutting an incision in uable paper, inform a young farmer of the best the "little hollow" above the foot and inserting method of treating a cow which has acquired the bruised garlie. He had seen it done. After habit of holding up her milk! I have tried every thing that I can think of, yet it does no inserting the garlie, sew up the incision.

WHAT SHEEP ARE BEST?

Mr. EDITOR:—What breed of sheep will make oblige the most pounds, mutton being the greater object and wool the less! Where are they to be obtained, and at what probable price? What is the aging sheep, and where may it be had?

WILLIAM IRISH.

Hartford, Mr., June 5, 1855.

Remarks.—Although having had considerable experience in the rearing of sheep, so much time has elapsed since, and so many varieties introduced, we do not feel justified in giving unhesitating opinions on the questions propounded. Among experienced breeders, opinions are some-

trated with portraits of different breeds, is another. This work also contains many letters from eminent wool-growers and sheep-fatteners of different States, detailing their respective modes of on smooth land than rough; but for stony, unmanagement management.

RECLAIMING MEADOW LAND.

Mr. Editor:—I should be very glad to be above the water when the pond is full. You would also oblige me, and some others in this vicinity, by giving the prices of the three small seed drills shown in your paper a few weeks since.

Plymouth, 1855.

Remarks.—The best use to be made of such tative for the grub worm upon flower and other land, is, probably, to get it into grass. Plow thoroughly, and then apply your chip dirt and ashes, which will be a capital dressing. Add other manure, if you can, and work it under; then sow your grass seed. You will remember, however, that drainage is the first operation. If the water from the pond backs up and underlies the land you speak of, get all you can from it as pasturage and cultivate somewhere else. The prices of the seed-sowers, which we published a few weeks ago, are \$3,00, \$6,00, and \$10,00 respectively.

HOLDING UP THE MILK.

Mr. Editor:—Will you, or some of your able good whatever. She is an extra cow in all other respects, so I do not like to turn her for beef. By answering the above inquiry, you will greatly

Hanover, N. H., June 15, 1855.

Remarks.—Feed well, so as to cause an abundbest work upon the subject of raising and man-ant flow of milk, then treat her kindly, and while milking allow her to cat a little meal and water, a handful of fresh grass, or some dainty morsel, and she will soon get into the habit of "giving down" freely.

Δ PLOW FOR STONY SOIL.

Mr. Editor:—In perusing the May number of the Farmer, I noticed an article from a "Tiller of Hard and Stony Soil," wishing to know if there is "a plow in the whole world manufacwhat at variance as to what particular breeds tured for the express purpose of tilling stony soil." I noticed, also, in the same number, sev-"In the "Farmer's and Planter's Encyclope-eral answers, all recommending the Eigle plows dia," there is a capital article on sheep. "Youatt, of Ruggles, Nourse, Mason & Co. 1 think them on Sheep, their Breeds, Management and Dis- far preferable to the old-fashioned plows; but I have been using, for the past two or three years, cases," is a comprehensive and excellent work, a plow invented in this town, and I think for the and "The American Shepherd," by L. A. Mort "express purpose of tilling a stony soil;" if not, RELL, giving a history of the sheep, and illus- I am sure it would be hard getting one that leven, hilly, or flat land, it is certainly the "one thing needful;" and if he or his neighbors should that go under the name of dyspepsia. see fit to try it, I think they must be satisfied exerts a disastrous influence on the mind. J. B. FREEMAN. with the result.

Lebanon, N. H., June 18, 1855.

GREEN LICE ON FRUIT TREES.

Mr. Editor: - Will you inform me of the best remedy for the destruction of green lice on young fruit trees, and confer a favor on S. S. H. Waterford, Me., 1855.

essentially destructive to the foliage of trees. They may be destroyed by a sprinkling of whaleoil soap, perhaps common strong soap-suds, or by sifting ashes over them.

PLOWING-MANURING-GUANO.

Mr. Editor :- In looking over the June number of the Farmer, I find an article from "Agricola" on plowing, and I wish to ask if he means she ever has before, from the fact, that for years some one, who will be kind enough to answer the the neglect which a very large majority of our following question: When is the best time to farms exhibit. That, however, in most of our plow, and when should the manure be put on! farming districts, is growing scarce. This, with

come in to take its place!

until it is fit to sow or plant, or let it lay and warm before it is further worked upon?

Is it beneficial to roll land when it is sowed, whether it is lain down to grass or not!

A Subscriber.

Ludlow, Vt., June 2, 1855.

Remarks.—The above are questions of importance, and we should be glad to have "Agricola" reply to them himself.

HOW SHALL I USE BLACKSMITH'S CINDERS?

Mr. Brown: -Will you, or some of your correspondents, through the medium of your paper, inform me the best use which I can make of some ten cart-loads of einder and dirt, such as is usually thrown out of a blacksmith's shop? What kind of soil will it benefit most, wet or dry, light or heavy? Or what crops is it best lands, which are considered by many as worth-adapted to as a dressing? Will it be useful to less, and are left for foul weeds and all kinds of put around apple and other fruit trees?

Chester, N. H., 1855.

Remarks.—Will some correspondent reply to these inquiries who has a practical knowledge?

Uses of Tobacco.—In the United States, physicians have estimated that 20,000 persons die the first farming States of New England. Her every year from the use of tobacco. In Germany the physicians have calculated that, of all the deaths which occur between the ages of IS and tion, and those that till the soil have been looked 26, one-half originate in the waste of the constitution by smoking. They say that the article ex- They begin, however, to look at it in a different hausts and deranges the nervous powers, and pre-light, and the time is not far distant when it will duces a long train of nervous diseases, to which be considered a science, and brought on an equal the stomach is liable, and especially those forms with other professions.

It also

For the New England Farmer.

AGRICULTURE IN MAINE.

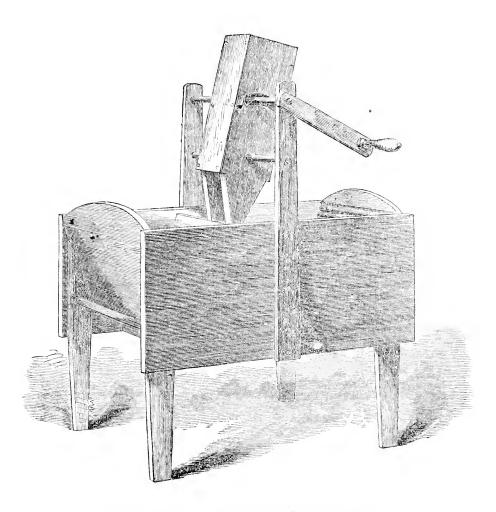
Mr. Editor: -- I have penned a few facts in regard to the agricultural interest of Maine, which you are at liberty to publish, if you feel so disposed. The present extravagant price of breadstuffs has at length aroused the farming comuni-Remarks.—We have never found these insects ty of this State from their agricultural lethargy, to a consciousness of their dependence on the southern and western States for bread. And they have resolved that if provisions retain their present prices another year, to be the gainers there-There has been more planted in Maine, this year, by one-third, perhaps I may be justified by saying one-half, than any previous year for ten years past; and I am led to suppose that Maine will now take a deeper interest in farming than to be understood that by plowing alone we can past the agricultural portions of our State have raise good crops! As I am not much experi- had other resources than farming,—that of lumenced in farming, I wish to inquire of you, or being. Lumbering has been the chief cause of Should it be before it is plowed, or after it has the present high price of provisions, renders it been plowed, if it is to be plowed a second time? highly necessary that our agricultural friends If guano will kill plants, if too much is ap-should take more interest and display more ener-plied, will it kill the brake that grows in our gy in farming than they have heretofore. A very pastures! If so, will any thing else (as grass) large portion of our land has become exhausted and almost worthless from continually taking In plowing land, is it best to work on one piece away from the soil, without returning anything in the shape of manures. Consequently an extra effort will have to be made to renovate such lands. Another hindrance to the promotion of agriculture in this State is, that a great many who farm it are decidedly behind the times. You talk to them of muck, which is a very common fertilizer, and they will deny its fertilizing qualities, and pronounce it one of the humbugs of book-farming.

Last winter I hauled a load of sawdust from a neighboring mill to litter my cattle with. One of my neighbors was present, who, perhaps, had farmed it fifty years; he inquired what use I should make of it; on learning that I was going to bed my eattle with it, he expressed much surprise, and inquired if it would not spoil the manure. There is an immense quantity of swamp land in Maine, which might be cleared and drained, and rendered very valuable as grass shrubbery to spring up and decorate the farm.— There are some, however, who appreciate the value of such lands, and are not afraid of investing a sum requisite to reclaim them into fine meadows of grass, which amply pay for their time and

trouble, and a good profit besides.

Maine has every facility for becoming one of soil is good-her sons hardy. But farming has been considered, here as elsewhere, a low occupaupon as little better than the slaves of the south. J. M.

Searsmont, Me., June 15, 1855.



WHEELER'S PATENT WASHING MACHINE.

We have said a good deal in the Farmer, we confess, about plows and pitchforks, hoes and harrows, mowers and reapers, and various other machines and implements which tend to expedite and make easy the labor of the farmer. But to help her who bears up the other end of the yoke, and without such even draft every thing goes askew, we have said but little, because, indeed, we did not know what to say. But now, Eureka! we have found it. Half of the Washing Days knocked out of the year! the women good-natured because their work is done rapidly and easily, the children well-cared for, and the husband's face beaming with smiles in consideration of snowy shirt-bosoms and dickeys, and his wife's unusual the following merits, from actual experiment and elasticity of spirit. As Sancho invoked blessings on the man who invented sleep, so do we on Mr. Wheeler, for his machine.

"Rub, scrub, rub, scrub, Scold, scold away"-

there's nothing of this about our domicil now; but bless the women—we mean Mr. Wheeler—if one is a little late at breakfast on a Monday morning, he would scarcely know from appearances that such an operation had been thought of by any of the family for a month.

The cut above is a truthful illustration of this machine. The clothes are put in at each end of the tub, and the turning of the crank impels the dasher forward and backward, giving a complete fulling-mill stroke, so that the clothes are not rubbed at all. We know that the machine has observation :-

1. It saves a third of the time.

- 2. It sayes the washer from sweltering over hot is not potatoes, and their botanical character and
 - 3. It wears the clothes very little.

who has washing to be done. The price we believe is \$10.

For the New England Farmer.

SMALL POTATOES AGAIN.

Farmer—not all small potatoes, by the way.

one right way' to do a thing in farming. This is a prolific source of trouble, but has no foundais a prolific source of trouble, but has no foundation in fact. Nature is by no means as niggardly of her means as men would make her. The pro-Mercers—is indefinite, and only proves that large vision for reproduction in the potato shows she potatoes will produce large ones, under favorable can do the thing in two ways at least-by the circumstances, a fact which is not new; but the balls and by the tubers. We should like to see question is, will not small ones also? I last year

season when my father raised his small potatoes; I therefore planted about a square rod with small (I did not come up that year;) but it was such peach-blows. The hollow, in all, covered about that his neighbors raised good crops, and his land was the same kind usually planted. The ment, between nine and ten bushels, the two clarge seed!" was not given as the cause of the kinds yielding about equally. From the whole I small result has the chart of the small result has the chart of the same that the small result, but to show that large potatoes did sorted out less than a half bushel of small ones, not of necessity secure large potatoes, nor small and these were as plenty from the large seed as ones small. Why they grew small, I am as ig- from the small. This plat was excellent land for norant as need be, and, if your correspondent potatoes, and my conclusion coincides very much can show a reason, I will give him all the data in my power. Theoretical speculations will not invalidate a fact; and this involves another prin
"are very good, and I don't know but small ones ciple of great importance of the form of the control of the contro ciple of great importance to the farmer,-that he are just as good; but the best thing is to have the depends on facts wholly, and on Speculation none ground in good condition." at all. The diversity of opinion arises from imperfect generalizations and crude speculations not a little.

In the third place, one large potato did not furnish my neighbor with half the vines my small ones did me. If 20 or 30 stalks overstock a hill, loss of some 15 to 25 fine young apple trees, from 40 or 50 would still more, and I had the most 2 to 5 inches in diameter.

Vines and potatoes also. I cannot say how many I have recently learned that like losses have

illustration.

physiological structure and functions are so different, that no conclusion of this sort drawn from one will apply to the other. I cannot here enter 4. It is easier, every way, to do the same work on the discussion of this subject. The other ilwith this machine than to rub them with the lustrations, so far as applicable to potatoes, are just as much in need of a decision as the pota-We recommend it, heartily, to every family toes. It is but borrowing one hypothesis to prove another. My allusion to the natural growth, &c., was simply to show that the diseases of the potato were not attributable to planting small potatoes. Every botanist is aware of the tendency of all our cultivated plants to resort to their original type, and the fact of their doing Mr. Editor:—I have just been hoeing some so, shows the artificial character of large growths, small potatoes, that have come up well and look for the most part. These that have thus rejust as large as large potatoes do when they verted, are no less perfect in respect to taility and the specific character of the plant. I am not provide the plant of the plant of the plant of the plant of the plant. I will attend to the next field I meet-last week's aware that the chemical composition of the small Armer—not all small potatoes, by the way.

Your correspondent, Mr. Poor, has differed there any evidence that its vitality is proved. It widely, both from my opinion and yours. As is certainly a tendency to revert to its original his article contains, as 1 think, several fallacies, type, and does not imply any deficiency in the common to reasoning on agriculture, I will notice power of the tuber to reproduce. The question it at length. And the first is, "that there is but is, will it as well reproduce large potatoes?-a

the proof of that statement of "but one right planted some potatoes, called here the New York way." All nature is against it. In the second place, I cannot answer for the a piece of corn, and had not enough to finish.

For the New England Farmer.

YOUNG APPLE TREES DYING.

Mr. Editor:—I am this spring suffering the

shoots either of us had, but too many, I presume. been extensive, embracing ornamental, as well as In the fourth place, the potato is indigenous to different kinds of fruit trees. I wish, with the the mountainous regions about the head of the aid of yourself and your numerous readers to, Amazon, as well as elsewhere. There the native account for this loss. I have made no observagrowth exists wild, to which I refer, and there tions beyond my own farm. Those trees which no large tubers are found. Hence, large tubers first attracted my attention were situated near a are of artificial growth, as well as large cabbage wall, and were for a long time during the win-But I named this not as a reason, but an ter imbedded in a snow-bank some 4 or 5 feet ustration.

I have not attempted to prove small potatoes tited no indications of decline until the leaves better than large ones, but to ascertain, by facts, were partially expanded and presented an unif they are as good. And this is a question of healthy look. On examination, the trunk was fact. Our planting plump grain has no bearing found to be destitute of any lively bark from the on this question, for the good reason that grain limbs to within 3 to six inches of the ground.

the ground and are now doing well. A week more or less while threshing, caused so great later others were discovered farther advanced in dampness of the grain, that the whole body befoliage but destitute of lively bark upon the came damp, and this heat and dampness genetrunks. As late as the 11th inst., others still rated the weevil in great numbers. How many were discovered loaded with the richest foliage of them have fallen on my desk and on this sheet and well formed fruit, with no indications of de-since I commenced writing, it would be imposcline, and yet the trunk of the trees was covered sible to tell. I am not certain that the lime did only with a dark moist dead bark.

decline.

My theory at first was, that the heavy body The steam flouring mill—said to be an excel-of snow upon unfrozen ground, had occasioned a lent one—commenced operation early in June. slight movement in the sap in the trunk of the The price paid for wheat at first was 2½ cents per tree, and the intense cold following in quick suc- pound. This, however, was not paid after a few cession, the heavy thaws had frozen the trunk as weeks. The company soon threw off one-fourth low down as the snow had been removed, while of a cent, then three-fourths of a cent more, and the circulation had not extended into the limbs some has been sold as low as one cent. And even at all. This theory was somewhat satisfactory at this low rate the company will, doubtless, sink to me, until as late as the 11th inst., I find other money this year. One of the shareholders told trees with dried trunks and yet louded with the me that they should probably sink some six richest foliage and well formed fruit. I am thousand dollars. This estimate, however, may now confounded, and await the discussion of the be rather high. subject in your columns. N. F. Emerson.

Chester, N. H., June 16, 1855.

different localities, affected in the same manner.

For the New England Farmer.

HAWAIIAN AGRICULTURE.

Макаwao-Maui, Hawahan Islands, { March 8th, 1855. }

Editors New England Farmer: — Gentlemen, you of the wheat crop which we were then har-vesting, and of one of Hussey's reapers which now that the season for sowing has returned, we precious grain, let me tell you of the value of the though more than usual lime was thrown into it, crop of 1854, and of the disposition which we and it was put into a large and dry room. The made of it.

damage to the credit of Hawaiian flour seemed and the wire fence is very expensive. for a time to be unavoidable. And though the character of some lots of wheat, which were considerable wheat remains to be sown. Not

These trees were immediately engrafted very near year. But this year, rains during harvest, and not do more hurt than good this year, on account I have desisted from engrafting these last, for of the dampness of the grain. At any rate, I the purpose of observing their further progress in am not exactly satisfied with the experiment of last year.

You can easily see that there is some ground of discouragement in relation to Hawaiian flour. Wheat can easily be raised, and wheat of an ex-REMARKS .- We have seen some of the trees cellent quality. The experiment has been fairly spoken of by our correspondent, and others, in tried. Even last year, the wheat was much of it different localities affected in the same manner of large growth and good kernel. Some of it yielded about forty bushels to the acre. But Can some of our intelligent tree-growers give the marvesting and curing the crop will be the difficause and a remedy? course we have to stack our wheat. In dry seasons, this method answers very well. In good season, say September, we can thresh the grain, (all that we can spare,) and send it to Honolulu. though at some risk, from the sea-leaky vessel or wet passage. What we need for seed we can leave in the stack till sowing time, and if the In my last communication, June, 1854, I told wheat was thoroughly dried when stacked, there was marching through our fields. Before I shall find the seed poor and full of weevils. We could have occasion to speak of another crop of this not keep what we threshed in early autumn, weevil has become such a nuisance, that I cannot I may say, in a word, much of the crop of consent again to store it in the house. We need 1854 was injured by the rains. A portion of it such a granary as I see described in the Country was utterly ruined, rotted in the field, and searcely a bushel of what was sayed was as good as usual, the means of building such an one at Makawao—

When the flow reads of the first left of what it have not known as the set. I have not known as I have a set be set of the first left of the fir When the flour made of the first lot of wheat, at least, I have not. Fences and buildings of which was sent down to the mill at Honolulu, some kind for wheat, corn, beans, &c., are indiswas made into bread, there was a great outery, pensable to success in farming, here or elsewhere. The bread was neither white nor sweet. Serious We lack stone at Makawao for building wall,

ground afterwards, was such as to retrieve, in more of this grain will be sold this year than part, the reputation of Makawao as a wheat last, but much of it will be put in in better country, still suspicion and doubt rest on many style. The excessive rains of last year caused so minds as to the success of the enterprise. Much rapid a growth of vegetation, and prevented the minds as to the success of the enterprise. Much rapid a growth of vegetation, and prevented the off the wheat which we designed for seed is in-possibility of burning it, that we find it a great jured, some by heating, and all by the weevil, so deal of work to prepare the ground decently for that only about six-tenths of it will come. You a crop. The winter rains, too, are copious, so mistook me as saying that early sowing was a that there is danger that we shall find the season preventive of the weevil. Dry weather during too short for sowing all that we desire. Some of harvest and till threshed, with a small quantity the neighbors, who sowed a good deal last year, of good air-slacked lime, will do much to prevent do much less this. Others do nothing; though the ravarses of this insect; at least, it did so last sward foreigners and some natives, who lave the ravages of this insect; at least, it did so last several foreigners and some natives, who have

done nothing hitherto, are now sowing, so that we shall have about the same number of acres as in 1854. How much of it will be secured remains to be seen, and how we shall get it ground is another question, seeing the mill is on the island of Oahu.

Had I engaged in the business of wheat raising with the sole or even chief view of making money, I should not be a little mortified, but greatly so, with my want of success, for I have, thus far, failed to clear any thing. My chief object, however, was to introduce the grain into the country, and persuade my people to cultivate it. In this I have succeeded, and I am more than con-tent. I am thankful. One of my people was quite successful the last year, there being less rain on his place than in my immediate neighborhood. The same man has some fifty acres, which look exceedingly well. Had the mill for flouring been put at Wailuku, where it was de-THE TRUE VALUE OF THE MINERAL signed at first to place it, so that we could obtain the grinding of our wheat without sending it to sea, I should feel quite whole, after all, on the subject of wheat. I still hope that all in good science, about minerals and their importance as time we shall have a small flouring mill at that place, where the water privileges are favorable, or perhaps a wind-mill at Makawao, where we raise the precious grain.

church at this place, and that, of course, I have duced by the application of the various salts of many cares and much labor devolving upon me. My appropriate work I may not neglect for any temporal consideration whatever. Did I not think that my efforts in the agricultural depart- vegetables, shewing the percentage of these element had an important bearing on my ministerial ments contained in their composition, and we are labors in elevating the people from their low almost ready to imagine that vegetables may be condition, teaching them industry and thrift, and giving them stronger motives for exertion of the right sort, I would eease at once all attention to business of this kind. I am, besides, unable to hear, one of these days, that Prof. Mapes had loss of my right hand thumb does not prevent my wholesale way. We hope when he takes out his writing, though I write with pain, but it prevents patent for the manufacture of corn, he will give my doing a thousand things which I have been accustomed to do. I cannot pick up a nail, cannot use the axe, the saw or the plane, and scarcely the hoe or the sickle. Still, I can overscorte believe to the first to us in the shape of the whole grain, and not in the shape of flour, or we shall be very apt to suspect that it contains an excess of superphosmy doing a thousand things which I have been see the labor of the farm as usual, and can com- phates. mend the cause of agriculture to the increased tural Society, formed some two years since, will less of indispensable necessity to the healthful unite with one recently formed at Wailuku, and and vigorous growth of plants. They will not there will be an exhibition of some sort in the be perfect in all their parts without a due procourse of the season. If we shall succeed, you portion of such salts as their several constitutions may expect to hear from us all in good time. require. But these elements are not all which We on Main find it of little use to belong to the Royal Hawaiian Agricultural Society, which holds they require. The staple food of plants, that all its meetings and has all its exhibitions, fairs, from which they derive their chief nutriment and &c., at Honolulu. Nothing of the cattle, sheep support, is the earbonaceous matter, which is or swine, nor even of the fowl kind, can we present for competition. It is time that we had an efficient society of our own. I have never more decoder fold the little of deeply felt the dignity and importance of agricultural pursuits than I do now. Noble em- eral matter which previously existed in the vegeployment! It is the business which, so far as this tables of which they were composed when they world is concerned, makes man a co-worker with were in a living state. But after all the talk

Yours with much respect, J. S. Green.

man felt the dignity of his labor.

WOMAN.

BY WILLIAM LEGGETT.

No star in yonder sky that shines Can light like woman's eye impart; The earth holds not in all its mines A germ so rich as woman's heart; Her voice is like the music sweet Poured out from airy harp alone ; Like that when storms more loudly beat, It yields a clearer, richer tone.

And woman's love's a holy light, That brighter, brighter burns, for aye; Years cannot dim its radiance bright; Nor even falsehood quench its ray; But like the star of Bethlehem, Of old to Israel's shepherds given, It marshals with its steady flame The erring soul of man to heaven.

ELEMENTS OF THE SOIL.

We hear so much said by chemists and men of fertilizers, that, without stopping to think, we should almost be led to believe that these were the only elements of nutrition needed by vegeta-You know, I suppose, that I am pastor of the bles. We are told of the wonderful effects proammonia, potash, soda, lime, silex, iron sulphur, &c., to the soil. We are pointed to analyses of manufactured in the laboratory, out of the elements. Indeed, we should hardly be surprised to toil as formerly, having a maimed hand. The taken out a patent for manufacturing them in a

But to be serious, mineral elements are doubt-God in providing for the wants of his almost in- about minerals, the great object of the cultivator numerable family. Would that every husbandmust be to obtain an abundant supply of decayed straw, leaves, wood, peat, and the excrements of animals duly mixed and combined, and apply

feed a man upon pepper, salt, mustard, vine-tained, and spread abroad through the commugar and sugar, and omitting the pork, potatoes nity, so that every farmer shall theroughly ungar and sugar, and omitting the pork, potatoes derstand the science of his own ealling, then, and and meal. The seasoning is all very well, nay it is important. It assists digestion; it stimulates the various secreting organs; it promotes appeared to the various secreting organs are appeared to the various secreting organs. tite; it renders the food more palatable. But seasoning alone will not do. There must be some- Remarks.—We are under especial obligations thing to season. Such an attempt to save the to friend Goldsmith, not only for the excellent pork-barrel, meal-chest, and potato-bin, would articles enumerated above, but also for the priviprove poor economy in the end. He will dig lege of using them when it is convenient for ourmore mud and lay more wall on plenty of beef selves. We shall give them from time to time, and potatoes and bread, than on all the condi- and are confident that the reader will find them ments which the most skilful French cook can both pleasing and instructive. combine, or on all the spices of "Araby the blest." The application of this any one may make for himself.

For the New England Farmer.

A VARIETY OF SUBJECTS.

possible, upon each of these topics. For my ob- urine on an unthrifty apple tree, they were inpossene, upon each of these topics. For my object is not to acquire reputation as a writer, or to duced to try it on pear trees that remained unmagnify myself as a philosopher, but to do good thrifty in spite of iron, bone-black, ashes, lime, to the common class of readers, for whose use and high manuring. "The result was, the trees and benefit your paper is especially intended. I shot up a growth as luxuriant as weeds in a hotturnors, some a more common limits and of bed. Those which had rarely made an inch of farmers are a more common limits and of the common common limits and of the common common limits and of the common farmers' sons a more general interest in the cause growth in a season, grew seions from 18 inches of agriculture, which I regard as the foundation to three feet even, in the summer following the of all other useful employments. For, though operation." The mode was to apply about the agriculture is as old as the creation, and has been quarts, sprinkled around each tree at a time: to the employment of the great mass of men in every stir the surface of the earth a little, so that it age, yet so strangely has it been conducted, even may be well mixed, and prevent the formation of down to our day, that, is a science, it is yet but a crust. A cloudy day is recommended. The in its infancy. In other words, it has not kept operation is repeated a month afterwards; and made in all other employments.

able room at any one time, I have thought it ad- of the trees, but we are not definitely informed and from at any one time, I have thought it ad- or the trees, out we are not definitely informed visible to present what I have to say in separate in this respect. The full effect is not confined to articles, each article covering less than two-thirds the first year. What particular ingredient, or of a column in your paper. I do not expect, in rather what particular form of at, contained in so brief a manner, to do justice to these topics, this application, not to be found in ordinary major to present them in a very new or striking nure, produced so extraordinary results, we leave light, but simply to give the results of my own for theorists to determine, if they can do it with reading observation are described as a continuous of the continuous continuous. reading, observation, experience and reflection, certainty.—Country Gentleman.

them in a proper state, and at the proper time to It is by comparing together different thoughts the soil, for his plants to feed upon. If in addi- and results, that we approximate to the truth. tion to these, he will apply such mineral elements the success of one experiment is not sufficient to as are adapted to the wants of the soil, or the establish a general truth. But, when the obparticular plants which he cultivates, they will servation and experience of all confirm the selfundoubtedly contribute to their more rapid and same thing, the result is certain. What is needed perfect development.

The attempt to feed vegetables on mineral manures alone, would be much like attempting to this further light and knowledge shall be at-

SPECIAL MANURES FOR FRUIT TREES

As a general rule, some kind of compost made of common yard or stable manure, is best and most reliable for fruit trees. Successive layers of Mr. Editor :- I propose to offer for insertion turf, or of muck and turf, in connexion with onein your very interesting and useful paper, a few third or one-half manure, and a small quantity of brief articles on the following subjects: "Design ashes, worked together after lying a few weeks, and Usefulness of Labor: Antiquity and Dignity will be found admirable in nearly all cases, if of Agriculture: Increased attention to Agriculture used in proper quantities. But in rare instances, ture, and its connection with Chemistry; Ours, a special application proves of eminent advantage of Improperment. Manus of Improperment there are the proper quantities. an age of Improvement; Means of Improvement; tage. An example of this sort occurs in the Agriculture an extensive and progressive Science; Good and bad Farming contrasted."

Without wishing to be obtrusive, or to appear learned or dognatical, I should like to say some-plearned or wery plain way and as concisely as ments or reading, until observing the effect of possible many park of these trains. The soil to be a proper to the special manures suggested by experiments or reading, until observing the effect of possible many park of these trains. pace with the improvements which have been again on those trees not showing a satisfactory result. Caution is needed not to over-stimulate Not wishing to take up too much of your value—the quantity must of course vary with the size

For the New England Farmer.

EXPERIMENTS WITH POTATOES.

I will send you a short chapter in mine, which these last grew as on the other side of the corn. you may publish, if you think it worth a place in your columns.

putting a small shovel full of compost in the hill, if desirable. Hoed them the latter part of June, and dug them the first of October, getting but a small crop, it taking from 60 to 80 hills to make a bushel.

In September, 1853, 1 broke up a strip on each side of the above, in the same manner as in the spring, making a little short of one and threefourths acres in the whole; let the whole remain until May, 1854, when I gave the whole piece a thorough harrowing. Then carted and put on and spread 44 cart loads of green stable manure, each load containing from 25 to 30 bushels. Cross plowed the piece, and turned the manure in from eight to ten inches deep. Furrowed the same north and south, as near three feet apart as I could without measuring. I then commenced on the west side of the piece, and put a small shovel full of compost (made of one-half meadow mud and the other half stable manure.) in a hill, and put the hills two feet apart. I then commenced next to the meadow, and planted four rows without any particular order as to the amount of seed. The next two rows, I put two good sized n potatoes in a hill, the smallest being as large as a hen's egg. The next two rows, I put two half potatoes in a hill. I then manured about an acre with manure from the hog-yard, and planted it with corn. I then commenced on the other side of the corn to plant potatoes, the land lying a little higher, and not quite as good soil. I then manured two rows with leaves from the forest that had lain in the calf-pen until they had become well-wetted with urine, and thrown out from time to time into a heap; put as many into a hill as I could make lay on a common iron shorows three times during the month of June, and you the result. hoed the corn three times and the potatoes twice, without making much of a hill; the rows were not far from seventeen rods long, north and south, there being no rows the other way.

pen, I had 60 lbs. 6 oz. From twenty hills manured with ashes, 43 lbs. 14 oz., and from twenty Mr. Editor:—Having read from time to time compost, I obtained 50 lbs. 4 oz.; but it must be in your paper others' experience in potato raising, remembered that the soil was not so good where

I cut the top stalks from the corn not injured by dry weather, while the other part I cut up In the month of May, 1853, I broke up about and piked about the same time, which was not half of an acre of moist land, soil a dark loam, far from the 20th of September. Upon the whole with a light marly subsoil, plowed from ten to I think I obtained a good crop, for our hill lands, twelve inches deep, so as to turn up from two to and I will send you my account of labor, &c., three inches of the subsoil; manured the same by with the amount of crop, which you can publish,

.,	desiranc.
Τo	Dr. 2 days plowing in the fall, with 2 boys, oxen and horse. \$6,59 I day harrowing in spring, with boy and oxen 1,50
	1 day narrowing in spring, with boy and oxen
	2 days, with boy and oxen, to cross-plow
	14 loads compost manure
	16 loads hog manure. 16,00 4 days with boy planting. 5,50
	3 loads other manure for squashes, cabbages, &c3,00 1½ days labor with boy and horse to harrow among crops 2,25
	10 days labor hoeing potatoes twice, corn three times12,50 8½ bushels of potatoes planted
	Corn and beans to plant
	 day labor cutting and piking corn
	4 days labor digging potatoes. 8,000 4 day labor digging ruta bagas. 0,50
	\frac{1}{2} day with oxen to draw pumpkins. 1,00 \frac{1}{4} day with oxen to draw cabbages. 0,33
	1 day labor to pull and thresh beans
	Total expenses
Ву	CR. 40 bushels of sound corn. \$40,00
	5 bushels of soft corn
	1 ton fodder cut up at roots
	4 bods pumpkins. 4,00 1) bushels white beans. 2,25 1 wagen bod of cubbares. 2,00
	25 bushels ruta bagas. 4.17 10 square rods corn fodder given green to cows. 3,00
	135 bushels potatoes .07,50 Small lot melons and squashes .1,25
	Total value of crops. \$149,17 Deduct expenses. 141,10
	Leaving in my favor\$8,07

vel. The two next rows, I put from a pint to a to pay for use of land, which is left in good orquart of wood ashes in the hill. The remainder der for spring grain, which I intend to sow with of the piece I manured with compost, as on the wheat and barley, (without manure,) as soon as other side. I ran a small harrow between the the season will permit. I will, if spared, send

Henry Barber. Yours truly, Warwick, Mass., 1855.

I dug my potatoes the last of September, and FACTS ABOUT МИК.—Cream cannot rise through from twenty hills from the two rows with two a great depth of milk. If, therefore, milk is deseed potatoes in a hill, I obtained 69 lbs. 10 oz. sired to retain its cream for a time, it should be of good sized potatoes. From twenty hills from put into a deep narrow dish; and if it be desired the two with one in a hill, 64 lbs. 6 oz. From to free it most completely of cream, it should be twenty hills where I cut the seed and put two poured into a broad, flat dish, not much exceedhalves in a hill, 64 lbs. 2 oz. From the agre of ing one inch in depth. The evolution of cream is corn I had a very large growth of fodder, and facilitated by a rise, and retarded by a depression obtained 80 bushels of ears of good sound corn, a of temperature. At the usual temperature of part of the piece being injured by the drought, the dairy, 50 degrees Fahrenheit, all the cream so that it did not fill well, not having half as will probably rise in thirty-six hours; but at 70 much corn in quantity, and not so good a quali-degrees it will perhaps rise in half that time; and ty, as on the other part. From twenty hills of when the milk is kept near the freezing point, the two rows manured with leaves from the ealf- the cream will rise very slowly, because it be-

comes solidified. In wet and cold weather the slightest prospect of their ever exhibiting any namilk is less rich than in dry and warm, and on tural signs of life. They were perfectly "copper this account more cheese is obtained in cold than fastened!" Luckliy I only experimented on a in warm, though not in thundery weather. The season has its effects. The milk, in spring, is inkn in time to result it by leaving the company of the control of the con supposed to be the best for drinking, hence it joke in time to remedy it by planting potatoes in would be best for calves; in summer it is best their natural state. suited for cheese; and in autumn the butter keeping is better than that of summer—the cows less frequently milked, give richer milk and consequently more butter. The morning's milk is richer than the evening's. The last drawn milk well as other females—animal and human? We of each milking, at all times and seasons, is richer were visiting a friend the other day, who owns a than the first drawn, which is the poorest.

THE FARM ELEPHANT!

to the amount of provent required per day by Mr. BARNUM'S Farm Elephant, he has sent us the fol- She was a good conditioned cow, but only of the lowing interesting note, with a postscript respect-belonged to a yoke of cows, which, with two ing soaking potatoes in copperas water.

Bridgeport, Ct., July 7, 1855.

answer to your inquiry in regard to the diet and good plight, and produced as good calves, and weight of my working elephant, I would state gave as much milk as any lary cows. that did not that he eats on an average one bushel of oats and has no very heavy work to do-such as logging. one hundred pounds of hay per day, Sundays and &c., had much better keep four cows, and teach all! His weight is 4700 pounds. He will act them to work, than to keep two cows only and complish any kind of work set before him, and one yoke of oxen. The expense is less; he will get more will and will be able to confirm as uses ten times better judgment than three-fourths much work. Of course, if he works his cows, of the "help" which I am obliged to employ on he will give them extra keeping; and this will my farm. Above all things, he is not an eye-enable them to give as much milk whilst they servant. Once set him at work piling wood, work as less well-fed and more idle cows will picking up stones, or any thing else, and you can give. The females of our own species work, and leave him without fear of his playing "old soltoo, of the horse genus, equal their mates of the dier" in your absence. Another capital negative other sex in the service of man; why, pray, quality is, that he don't pick up his duds and should not cows also be made to perform such start for home exactly at six o'clock in the after- operations as may be consistent with their health noon, as many other farmers' "assistants" do. and usefulness in other respects!—Drew's Rural He is willing to labor till sundown, and even la Intelligencer. He is willing to labor till sundown, and even later, if work is pressing. On the whole, he is a very honorable, industrious, intelligent and wellbehaved farmer: nevertheless, I cannot conscienand all, in a single winter.

> Truly yours, P. T. Barnum.

caution my brother farmers against "believing of liquor to 10 pounds of tobacco is the right proall they read in the papers." About planting portion,) and dip the lambs into it all over, tak-time I read in a newspaper that a sure preventive of the potato rot was to seek the seed rotations in of the potato rot was to soak the seed potatoes in thus treated, put the old sheep into a close yard water with an ounce of sulphate of copper to the in as small a space as can be and throw the regallon. I tried it, and it did prevent mine from maining liquor over them with a pail. The aprotting and from chitting! After they had been plication should be made in a dry day and immediately after shearing. One application will kill every tick without any injury to the sheep, and found them sound inside, but as dry and Most of our sheep-growers consider tobacco bene-

THE WORKING OF COWS.

Why should not cows work for their living, as small farm, and manages it well; and, in the course of our observations about his premises, he called our attention to a large calf, the largest one we ever saw at the early age of two days old. In reply to our inquiries, some time since, as It was a beauty. We wanted also to see the cow that produced such fruit. He showed her to us. other cows, yoked, had done all his farm work for several years past,—hauling wood, drawing THE FARM ELEPHANT—Copper Bottom Potatoes. stone, plowing green-sward, harrowing the ground. hauling manure, &c., &c. They worked as kindly EDITOR OF NEW ENGLAND FARMER: - Sir, -In and more actively than oxen, and appeared in as work. He is quite sure that a small farmer, who

For the New England Farmer.

HOW TO KILL TICKS.

Mr. Editor:—In the June No. of the Farmer, tiously recommend elephants as the cheapest work- a subscriber wishes to know the best way to kill ies on a farm. They cannot work in cold weath-ticks on sheep, and thinking the remedy used er, and of course would eat themselves up, trunk here preferable to the one you recommend, I give

Take tobacco, about 10 pounds to 100 sheep. and boil in water until the strength is extracted. P.S.—Do let me improve this opportunity to reduce the liquor if too strong, (about 8 pailsfull hard as a bone on the outside, with not the ficial when sheep are not infested with ticks.

from a fleece, taken off June 1st, from a two where in respect to there being so few laborers year old buck, with the weight of sheep and fleece, on the land. Is it because farming is not honor-Sheep weighed before shearing, 117½ lbs., fleece; able or profitable! Or is the labor more severe 14 1-16 lbs. of well washed wood, of one years than to drive a truck, or express, or omnibus, in growth only; breed, from "Native American" Boston? Is it thought more honorable to meas-Merino descended from stock imported from ure tape behind the counter, than to preside at a Spain, many years since. If any of your readers weekly meeting of a farmers' association, or to can beat this, I should like to hear from them.

J. B. Proctor. Rutland, Vt., June 11, 1855.

Remarks.—The sample of wool before us is very beautiful, and shows, with the above de- while busy on his model farm, surrounded with scription, to what a degree of perfection our everything to charm his eye, the lowing herds, sheep-growers have brought their fleeces as well man of small meads and few acres, with health as mutton. We should feel obliged to Mr. Proc- and a smiling family, who makes the two ends of TOR for a dozen samples of wool taken from the the year meet; ask him if he would exchange his various breeds of sheep in his neighborhood, with happy, peaceful fireside, the lovely village a brief description of each sample.

For the New England Farmer.

LIGHT FROM THE GRANITE STATE.

State the most of my days, and getting my living be books and papers of an agricultural character by farming, I find myself here in the Granite on every farmer's table and a day-book beside State.

methods of cultivation, and in the progress of rotual helps, while we enjoy the luxuries of lite in tation and change of crops. By the middle of all their purity, and find that it is good to give June you can determine almost to a certainty as well as to receive. what the hay crop will be. If it is destined to be light, then corn and millet make up the deficien-here as a resident. cy, and the root crops will insure a surplus. Not so here: what hay can be cut and stored, must carry the stock through; sometimes there is plenty and to spare, at other times, the stock suffers for the want of fodder that might be secured with a little forethought and labor. An acre or two of green corn used for soiling would be a great benefit. Then there is millet, which is strictly a summer grain, thought to be as valuable as any other folder for winter use. By the way, will not some of your correspondents relate their experience in millet raising?

Now a word of advice to my neighbors and townsmen here in Meredith. Let every farmer and mechanic in this town give his name and money to the postmaster to order and pay for the New England Farmer for one year, and study the improved husbandry of the ninetcenth centary: then practice the same, and I will venture the assertion that they will find seventy-five per

cent. increase of profits.

The soil of this town is good, and though some parts of it are hard to work, yet this can be met and overcome, by study, toil and perseverance. The manure heap can be increased at least four-fold, the land can be plowed with half the team, states, in the Ohio Farmer, that raw linseed oil. the expense of cultivating crops can be much re-rubbed over the cow's bag, will care the garget. duced, and instead of bringing so much bread- He says it is a certain remedy.

making them healthy and less liable to disease, stuff into the town, there may be at least a suffi-I treat my flock yearly, although I seldom see a ciency raised for home consumption. There needs k. a change in many particulars, but a few of which I send you a sample of wool taken at random can now be noticed. There is a mistake someswing the seythe in a summer's day? Let agriculture take its proper place with the professions of the day, and it will not be thought degrading to be seen in the field with spade in hand.

Ask the retired merchant what he thinks, church, and the district school, for the turbulent waters of a trading life in the crowded city, where boys are brought up amidst crime and dishonesty, which, without a mighty moral effort,

will certainly destroy them.

Again, the farming community ought to be a Mr. Editor: - After living in the Old Bay reading and writing community. There should ate. them to note down every little incident worthy to Looking out over the country at the close of a be remembered. These little scraps can be gathdry season, when vegetation suffered so much, I cred up at any time, sufficient to note down a colfind the agriculture of this portion of the State unn to spread before the readers of an agricultuneeds a reform. The farmers around Boston are ral paper. These ideas and experiences can be well posted up in improved implements, the new matured and practised by others, and we be mu-

> These thoughts suggest themselves to me while STRANGER.

Meredith Centre, N. H., 1855.

OFFICERS OF SOCIETIES.

Franklin County Agricultural Society. H. W. Cushman, Bernardston, President. Edward F. Raymond, Secretary.

Housatonic Agricultural Society. Henry Smith, of Lee, President. E. P. Woodworth, Gt. Barrington, Treasurer. J. Sedgwick, Great Barrington, Secretary.

Rutland County Agricultural Society. Henry W. Lester, Rutland, President. John L. Marsh, Clarendon, Alanson Allen, Fairhaven, Presidents. Daniel Kimball, Rutland, Secretary. Zenin Howe, Castleton, Treasurer.

Cure for Garget.—Joseph Merriam, of Ohio.

MOWING EXHIBITION.

There was a trial of mowing machines, on easily managed and to require less power. Tuesday, on the farm of Mr. Moses Wetherbee, in Dedham, under the superintendence of a committee of the Norfolk County Agricultural Society. The trial was in competition for the premium of \$600 offered by the State Society. We

stumps, though the surface was not entirely even, have, until recently, received liberal compensa-The grass to be cut was very light, but very even, tion, who rise in the morning not knowing when being almost wholly a fine red-top of a wiry, hard or how they shall find food for the day." I kind, with a fine bottom.

respectively. They also cut with a vioratory motion so. The latter has paid to the foreigner almost in the same manner as those of Ketchum's; but they have what Ketchum's do not, a small wheel on the right hand side of the machine, which helps to support it and causes it to move with less friction, and port it and causes it to move with less friction, and by farmers is unreasonable. The mechanic had, accessingly greater ease for the team. They also ward toward the knives.

blade turns upon a pivot, as the rol to which they and the extra expense of board, which has made are attached moves backward and forward, and thus the edges of each blade cut with a drawing motion. The larger machines of Ketchum and Manny cut four while the laborers in manufacturing establishment and eight inches in width feet and eight inches in width.

"There was also one of R. L. Allen's machines, of New York, of a different kind from either of the others in some respects, though the cutting blades move

like those of Ketchum and Manny.

"The amount of land assigned to each team was half an acre. Six two-horse teams entered on the first trial at fifteen minutes after eleven. Che work was completed in from twenty-two to twenty-fire minutes, and was well done by all, though there seemed at work at a time; \$14 or \$15 and board, is as this trial to be a general impression in tayor of Man- much as the laborer can command at any other ny's machine, on account of the greater apparent work, and the farmer, who wishes to make as ease with which the work was done.

"The second mode of trial was by allowing each com- this sum. petitor to cut a single swath through the field and back again, and then examining the ground after the hay was removed by a horse-rake. In this trial, the machine of Manny showed a closer cut swath, and evidently was considered by the spectators generally, as

the best machine.

"The next test was that of the machines drawn by a single horse, but no new light was thrown upon the qualities of the machines by this trial, except that it appeared that Manny's machine would admit of cut- and judge for himself, and give liberally from his ting either a full swath or only a partial one without abundance; or, what is better, supply employclogging, while others did not seem to admit of that variation.

"One or two other trials, slightly varying from the last, were then had, and at the close the general opinion, as expressed by the witnesses, was rather in

while they do the work quite as well, in every respect, as any other machines, they seem to be more

For the New England Farmer.

HARD TIMES AND THE PRICE OF LABOR.

find a report of the proceedings in the Telegraph, in a previous number, you say, "it is not the Mr. Editor:—In speaking of "hard times," from which we condense the following account: merchant who fails, or the manufacturer who "The field was very level generally, and free from stops his machinery, that suffers from hunger, any obstructions whatever in the nature of stones or cold or nakedness. But there is a class who would inquire of this class if the fault is not "Three machines were on the ground, of Ketch-their own? If they have received liberal pay, "Three machines were on the ground, of Ketchun's patent, two of them being heavy for two horses,
cutting a swath about 4 feet 8 inches wide, and one
for a single horse. These machines operate with a
vibratory motion, the cutting apparatus being fixed
upon a rod which is moved swiftly from right to left.

"There are also three machines on the ground of
Manny's patent, made by Adriance & Co., of Worwhere the work of they should not
have been able, through a long period of prosperity, to have laid up enough to carry them
through a "hard time" of six or eight months
cester. One of these also was for a single horse. The
without suffering? It seems to me that, by using larger machines weighed about 500 and 600 pounds some economy, they should have been able to do respectively. They also cut with a vibratory motion so. The farmer has paid to the foreigner almost consequently greater ease for the team. They also as a reason for the increase of wages, the high have a reel which is made to revolve with a down ward and backward motion as the machine moves cost of provisions, and by increase of pay, was forward, thus pressing the grass more firmly downvisions were not so high. But the laborers on a Mr. Fisk Russell, of South Boston, also introduced farm have no board to pay or provisions to buy, three machines of similar sizes, but cutting on differ- as this item comes out of the employer; so that ent principles, the knives being so arranged that each the farmer has been obliged to pay extra wages, ments have received but \$26 per month, or \$1 per day without board.

I think the wages paid by farmers the last year too high, as the farmer cannot afford to pay more than manufacturing companies. Neither is it worth more to work on a farm than it is to work on wharves or for manufacturing companies, without the certainty of more than a week's much as the laborer, should not pay more than

Lexington, June 23, 1855.

Remarks.—There are, no doubt, hundreds of cases of suffering where dissipation or imprudence have been the cause, and other hundreds where honest toil and rigid economy have not received their due reward. Let each examine ment and allow each to earn his own bread. But let none suffer.

FIG TREES IN THE SOUTHERN STATES.—The Nafavor of Manny's machines, on the ground that, tional Intelligencer says that choice varieties of

the fig have been imported from the south of ordered three of the machines to be sent to his France, under the auspices of the agricultural department of the patent office. They are intended for distribution in our southern and southwestern States, where it is known that they will grow and thrive.

PATENT STUMP PULLER.

Among the visits made by us during the present month to the homes of the farmers in various parts of this State, and New Hampshire, was one to the town of Orange, Mass., to witness the operations of the eighth wonder of the world, the Patent Stump Puller, owned and operated by Mr. W. W. Willis, of that town. Notice of the trial had been given, so that persons assembled from the adjoining towns, and a few had come from remote distances.

At ten o'clock the hook of a stout chain was placed under the root of a moderately-sized stump, and it was turned out with as much apparent ease as though it had been a mere log with no attachments to the ground. Other stumps of still larger size, and more extensive roots, were rise shears 12 feet high, and the foot of the shears then taken out, and all with certainty, and without the slightest confusion, and the time occupied in removing each one after the chain was applied, not exceeding ten minutes!

At length, the visitors having multiplied to hurl out well nigh any monster! ite a crowd, a larger chain was attached, and When the power of the shears has become exquite a crowd, a larger chain was attached, and an enormous stump, the growth, perhaps, of centuries, was selected. With a small, half-circular spade, room was made under one of the roots and the lever. That is, suppose 2 tons purchase by a stout hook attached; the chain passing from the hook up over the end of the clear. The team, you obtain 112 tons; this is sufficient the hook up over the end of the shears. The whole surface of the ground about the stump was covered with the stumps of a later growth of young pines, whose roots penetrated the soil, and mingled with those of their ancient progenitor. The stump itself was between two or three feet in diameter, and sound, as were its roots.

A pair of stout oxen were then hitched to the lever, and driven forward. When they had adthey were turned back without any unhitching, the roots in the meantime cracking and making a noise like a pistol exploded under water. more than 16 feet from each side of the stump.

nied us, and who is entrusted by the Chilian gov-in flying from one place to another, it at last ernment with funds to purchase agricultural im-tumbles to the ground, falls upon its back, and plements, after witnessing the exhibition, at once that is the last of Mr. Locust.

The experiment was one of the most astonishing exhibitions of mechanical power that we have ever witnessed. The machine is exceedingly simple, and not liable to get out of repair.

A very pleasant and appropriate address was made to the multitude at the close of the exhibition by --- Field, Esq., of Athol. All present seemed pleased and instructed by the occasion.

Below we give a statement of the power of the machine, furnished by Mr. WILLIS.

Orange, June 7, 1855.

The power of the machine varies according to dimensions. Suppose a machine to have a lever 18 feet long, the anchor loop or fulcrum to be 14 feet from the end upon which the power is applied, the first purchase loop to be 6 inches from the fulcrum; this will give you 28 times the amount of power applied at the end of the lever. Suppose your team to draw 2 tons, you have an actual purchase on the stump of twice 28, or 56 tons, and more in the same proportion as you extend the lever.

Suppose, in combination with the lever, you placed 2 feet from the stump; in this case, you have an amount of power 168 times greater than that applied at the end of the lever. Suppose your team to draw 2 tons, you have an actual purchase on the stump of 336 tons! Sufficient to

hausted, if you apply the chain and pulleys, you double the power of the lever, which gives 56 when the stump is once moved from its bed by the greater power, to perfect the work.

The shears should be placed near to the stump to get the greatest power, and they exert the greatest, when, rising, they reach exactly the perpendicular position. A large portion of all work

may be done without their aid.

Å strong horse will answer most purposes, though oxen are preferable. One man can work this machine slowly, but it requires two or three to work it rapidly. A little patience and pracvanced some four rods, the chain was taken up, and tice will enable almost any one to work it in a short time. Yours very respectfully, WM. W. WILLIS.

Locusts.—It is said that in some parts of Illiground gradually rose about the stump, and in nois, particularly in the vicinity of Alton, the five minutes its gnarly roots which had securely locusts, which have been quite numerous, are laid there for ages were brought to the light! At dying in great numbers. The ground beneath the expiration of ten minutes the old hero was the forest trees is covered with their carcasses, fairly turned over, and the roots on the upper side and the hogs of the farmers are getting quite pointing to the heavens! Upon actual measure- corpulent from the unwonted good living which ment, we found the roots extending something is thus provided for them. The insect appears to have fulfilled its mission, its body has become A gentleman from Valparaiso, who accompa-large and hollow, and its strength exhausted, and

CELLAR FLOORS.

which is also impervious to rats, may be made in show to his customers, if he is a trader, or those the following manner: Supposing the cellar wall whom he may be doing any kind of business already laid, with a sufficient drain to the cellar; with, that, in all his transactions, as well as cotten dig a trench all around the wall on the fact that the acknowledges the everlasting inner side a fact with a sufficient that the state of the sta inner side, a foot wide and deep, connecting with fact that there can be no permanent prosperity the cellar drain. In the centre of this trench or good feeling in a community where benefits make a drain by standing two stones, bracing are not reciprocal.—Hunt's Merchant's Maga-against each other, at an angle of about 45 degrees. Then fill up the trench with small stones, to within two or three inches of the top; cover these stones with a layer of pine shavings, and then with the earth thrown out of the trench. Times gives an interesting account of the manner levelling off the same with the floor of the cellar. in which the bodies of Parisian horses and rate If the ground of the cellar should be gravel, nothing further will be required; but if clay, are usually disposed of. He says: AGRICULTOR. fied by experience.

Hancock County, June 4.

MEANNESS DOES NOT PAY.

man makes than to be mean in his business, first operation on a dead horse is to take off the has made and is making. Such a policy is very skinning portion is easy, and performed with a much like the farmer's, who sows three peeks of dexterity and rapidity truly astonishing. seed when he ought to have sown five, and as a I have seen in the enclosure spoken of, at one recompense for the leanness of his soul, only gets time, over one hundred horses skinned, or being ten when he ought to have got fifteen bushels of put through that process. The next point is to grain. Everybody has heard of the proverb of divest the bones of adhesive and often putrid penny wise and pound foolish. A liberal explicitly bones are valued in proportion as they are penditure in the way of business is always sure clear, neat, and free from other matter. To take to be a capital investment. There are people in off the flesh by hand, is a tedious and difficult the world who are short-sighted enough to be-operation. An ingenious Frenchman solved the lieve that their interest can be best promoted by difficulty. He noticed that rats were very fond grasping and elinging to all they can get, and never letting a cent slip through their fingers. As a general thing, it will be found, other things the catecombs of Paris furnished them by thouseing equal, that he who is the most birmal is such. It was done, and now-adays a dead being equal, that he who is the most liberal is sands. It was done, and now-a-days a dead most successful in business. Of course we do not horse's careass, put in over night, is literally

mean it to be inferred that a man should be The cheapest, best and most durable cellar floor, prodigal in his expenditure; but that he should

HORSES AND RATS IN PARIS.

A correspondent of the N. Y. Spirit of the

make it perfectly smooth, and strew over it a Four hundred horses die or are killed in Forse coating of clean gravel; one load of thirty bush- in one week. There is a common pound, surels will be ample for a cellar of twelve hundred rounded by a stone wall, covering some ten acres. square feet. The cost of such a floor, estimating According to some municipal regulations (there the gravel at a dollar, will not exceed eight is an ordonnance for every thing in France) all dollars; the cellar will be rat proof, and the dead careasses, except human bones, must be floor smooth-dry and hard. This is theory veri-brought to this general receptacle. The careas of a horse is valuable for the bone, the hide, and the hair, to say nothing of the flesh, much prized, P. S. I have been planting about a quarter of when fresh, in certain sausage manufactorice. an acre with alternate rows of potatoes and sweet But should you wait until the horse has actually corn, 2½ feet apart, distance between hills 3½ feet, shuffled off his hairy coil, you might miss a barwith a hill of peas between each hill of corn and potatoes. The potatoes were started on a bed of horse manure, and when from 4 to 6 inches high, horse, before he is dead. It is a regular business were set out in the hills, receiving at the time in Paris. You can tell these agents for the purplet was provided to a horse before he is dead. what was equivalent to a heavy hoeing on the chase of dead horses at a glance; the dress is 26th ult. They will be ready for market by the that of an English groom, save the vignette ca and Ruta Baga Turnips. The peas between the corn standing at 5 feet distance one way and 3½ travels the thorough fares or peek should a horse the corn. the other. The corn is intended for table use, go lame, break a leg or neck, should be show and when the ears are gathered, will be cut up symptoms of distress—in a word, anywhere or in and used for green fodder. The result shall be communicated if favorable, which is not doubted. This is economy, and of the right kind—practical economy. By a little calculation of this sort, farmers and gardeners might make old horse and owner is carefully recorded, and a primother earth yield double for the augment of heal yate mark symptom on the inside of the forest. mother earth yield double for the support of her vate mark stamped on the inside of the foreleg children which she now does.—Rural Intelligencer. with the eaustic; the horse goes, perhaps rejoining, on his way for weeks, perhaps months, only to be met with and identified after death, at the public graveyard for horses. Now, except in There is no greater mistake that a business cases of fresh specimens, as mentioned above, the Always taking the half cent for the dollars he skin; then the flesh, to get at the bones. The

morning. The pecuniary saving to bone dealers Dr. Lardner !--or your shade, if you be dead-

'battue,' men armed with tin pans, kettles, drums, life. &c., rush in at the peep of day and 'charivari' Mr. Editor, on the whole, "J. W. P." did not the poor rats, who, frightened to death, poke write that article; if he did, let me ask of him their heads into the first opening. Of course, respectfully to take up an old-fashioned book, all those in the wall holes have tails sticking out. ealled the "Holy Bible," and turn to the 33d The rat collector, with bag over his left shoul-chapter of Deuteronomy, read the 14th verse, and der, now makes a tour of the premises, and the let reflection have its "perfect work." scientific and rapid manner with which the rats are seized by the tail and safely (to both rats and operator) transferred to the bag, challenges admiration. It even surpasses the 'Chiffonnier's' rag picking. Perhaps you wish to know what time in the perusal of antiquated works on agribecomes of the rats. These, also, are sold before culture, and those who never read at all, is much they are caught or killed. The privilege of gath-ering rats on the battue days is furmed out by ough reading of the current practical improve-ough reading of the current practical improve-These rats, sleek and fat as they necessarily are, fetch a highly remunerative price—the fur, the skin, and the flesh, meet with ready sales.

For the New England Farmer.

"LUNAR INFLUENCES."

in the language of ridicule, dashed with bitter-of a work which has enjoyed some popularity, ness, as having no fellowship with the supersti-entitled "Hydraulies," from which no artizan

three years without any effect, unless it were to and most recent improvements of the day. He make them "renew their youth like the eagles." need not fear that any tools preceding those now The moon may have no influence upon vines; in extended use, are superior, for had they been the old of the moon will be more fruitful than of artizans are so jealous of their old tools as those planted in the new, as "J. W. P." can farmers. Any new invention must be clearly so that the pollen will not mix, and try it.

pally of the moon, on account of her compara- and obey this law .- Working Farmer.

nothing but a neat and beautiful skeleton in the tive nearness to the earth. The moon, then, Oh, from the voracity and gnawing propensities of does have an influence on the water! So it has on the rat family, is, I was told, very considerable, certain kinds of vegetation; the sun-light has an Our Yankee Frenchman did not, however, stop influence; the moon-light has also an influence, ere. It was natural to suppose that rats, so For what, I would respectfully ask of the sarans, well fed and provided for, would rapidly increase was the moon made? To shine, say a fourth and multiply; hence the necessity of regulating part of the nights of the year, and "keep dark" the matter. Every three months a grand battue the balance? Can "J. W. P." sleep as well on is made upon the aforesaid colony of rats, and all a moonlight night as on a dark one? It is not caught above ground die the death of rats. The the light in his room that causes him to be manner of doing this amused me. Horizontal wakeful, altogether; for he could sleep facing a and cylindrical holes are bored all around, in and lighted lamp—"cat-naps" at first, perhaps, if at the foot of the enclosing walls-the depth and not accustomed to the artificial light; but let diameter being respectively the length and thick- the full moon beam into his face, and he will lie ness of the rat's body. Upon the morning of the awake for hours reviewing the sins of his past

J. D. CANNING.

BOOK WORMS AND DUNCES.

The difference between those who spend a lifements of the day is highly useful, the application of an antiquarian taste in the study of agriculture is worse than useless. What can it avail to a modern farmer, to know what were the processes of a thousand years ago? What consequence can it be to him to know what crops could be raised by the use of a wooden plow, or what was the opinion of Jethro Tull on matters which have I noticed in the Farmer, for February 17, a been materially improved and better understood short article headed "Lunar Influences." The since his time? Many of our agricultural works signed initials are those of one whom I know, by reputation, to be a judicious and practical man; with scarcely a pertinent word in relation to the and I was very sorry to see him express himself minute of present processes. They remind us in the language of sideal with history of agriculture, tious believers in lunar influence.

The moon may have nothing to do with the revamping of Vitruveus and other writers, decutting and killing of brush; but, somehow or seribing the modes of raising water by the Another, it will kill brush to cut them in the old of cients. An Examiner in the Patent Ollice might the moon in Angust 1 speed from avariance of the latest and the revamping of Vitruveus and other writers, describing the modes of raising water by the Another, it will kill brush to cut them in the old of cients. the moon in August. I speak from experience, study the history of agricultural tools with profit, having first discovered the fact by accident, after for it would enable him to know what was strictly cutting the brush on the same land for two or new, but a farmer should study to know the best but, for some reason or other, vines planted in so, they would have remained in use. No set very easily ascertain by experiment. Plant them proved to be superior to those which preceded it, before it can find its way into the tool house of I remember reading the lectures of one Dr. most farmers. The continued repetition and re-Lardner, a very learned and scientific man, who cital of agricultural processes of the ancients, run away with another man's wife, and laid although the fashion of the day, is like the refudown science to Uncle Sam's boys several years sal of our colleges to grant their honors to those ago. He ridiculed the superstitious traditions of who can substitute a knowledge of two of the farmers and the "common people" concerning modern languages in place of one of the dead the influence of the moon on vegetation. The ones. Progression is the order of the day, as sam. Dr. Lardner ascribed the cause of the tides well as the first law of nature, and farmers, beto the attraction of the sun and moon, princi-youd all others, should be the first to remember

DOCKING HORSES.

we are glad to see that the abominable practice of docking and nicking horses is going out of fashion. It prevails in no country in the world besides England and the United States; but from the mother country, and the sooner we leave it off the better. It is wonderful how any body but an ignorant, narrowaninded blockhead of a lockey should ever here. minded blockhead of a jockey should ever have rests the growth of the tree. thought of it—being as offensive to good taste as All pruning in the growing season tends to article a violation of every human feeling. Has rest growth. Nurserymen know that a slight is a violation of every human feeling. nature done her work in such a bungling man- pruning of stocks before budding will so arrest ner, in forming that paragon of animals, the growth as to make the bark adhere firmly; when, horse, that he requires to have a large piece of this principle of with a repulsion of this principle of the property of the property of this principle of the property of the pr bone chapped off with an axe to reduce him to this principle that most all pruning, to promote symmetry? or that beauty and grace can be obtained only by cutting a pair of his large less activity of growth. Late spring pruning is

"The docking and nicking of horses," says an intelligent writer on Farriery, "is a cruel prac- pruning to a certain extent.—Horticulturist. tice, and ought to be abandoned by the whole race of mankind. Every human being, possessed of a feeling heart and magnanimous mind, must confess that both the docking and nicking of horses is cruel; but that creature, called man, with an elegant long tail and flowing mane, waving in the sports of the wind, and exhibiting itself in a perfect state of nature! Besides, our Creator has given them to the horse for defence as well as beauty.'

The same author relates an instance of a fine hunting horse owned by an Englishman, which would carry his rider over the highest five barred gate with case; but he thought the horse did not carry as good tail as he wished; he therefore had him nicked, and when the horse got well, he could scarcely carry him over two bars. "Thus," mer.

PRUNING WHEN THE LEAVES ARE

The only pruning we hold to be sound, safe and commendable, at this season, is that of the finger and thumb,—in other words, pinching. It, is quite inconsistent with good management to. rear a crop of good shoots at two or three inches; growth before they attain to woodliness. This economizes the force of the tree, and turns it in- beaving me \$81 for about 250 bushels carrots ${
m I}$ to a channel where it will promote instead of have given them. The manure, I think, will frustrating the ends we are aiming at. For in- pay for the trouble of tending them. I have stance, if we plant a young tree, and have it reckoned the pork at 11 cents per pound, as it trimmed with a view to a certain form, and, con- has averaged me that by catting it up and selling trary to our expectations, a shoot breaks out at it in the form of ham, sausages and salt pork. I an unexpected point, and assumes a vigorous hab-, could not have saved the expense had I sold them it, and robs all other parts, it would be evidently whole, at from 7 to 8 cents per pound, the massunwise to tolerate this intruder until it arrives at ket price. full growth and then cut it away. Too many It is my opinion, formed from this experience, trees are thus managed by the neglect of summer that if farmers will save their own corn, it will pruning or pinching. We admit, however, that pay well to raise hogs to fat. It is also my there are cases in which the summer pruning, or opinion that cob corn is the cheapest and best entire lopping off or cutting of limbs of consider-food for logs, till within a week or two of killing.

able size may be judicious and safe. For instance, We are glad to see that the abominable prac- in the case of neglected orehard trees, in a luxu-

> All pruning in the growing season tends to aroften resorted to as a means of subduing a superabundant vigor, and it has the same effect as root

> > For the New England Farmer.

PIGS AND POULTRY.

Mr. Editor:—The following account, which attempts thus to mend the works of his Creator, I have kept for my own satisfaction, I had not in doing which he often spoils and disfigures thought of making public till recently, upon bethem. What is more beautiful than a fine horse ing advised by a friend; it is not as particular as I should have kept it if designed for the public.

> The 26th of July, 1853, I commenced my account with 10 pigs, 6 weeks old, for which I charged \$3.50, or. \$35.00 The mother 12.09
> From that time up to the 26th Feb., 1855, I have given them 56 bags corn, 192 bushels cob corn, 43 bushels barley, 4 bushels oats, 1636 pounds shorts, and 255 pounds rice, making an aggregate cost, including toll, of. 281.20 Pigs, mother and all......\$328.20

In the spring of 1854, I had 6 pigs from the mother, being her second litter, and 6 pigs from said he, "I have spoiled a fine horse; and no one of the 10 above named. I will now give you wonder, for it weakened him in his loins." Any an account of what I have received in return for man of common sense would cheerfully give ten all this outlay, first informing you that I kept per cent. more for a fine horse whose tail had my poultry out of the grain charged to the pigs, never been mutilated, than for one which had and also, what grain my horse has had has been been under the hands of a jockey .- Maine Far-taken from that, as it was not convenient to keep separate lots.

In the spring of 1854, I killed 918 lbs. pork\$100 98
I sold 3 pigs for
I ki led 4 pigs July 3d for roasting, 76 lbs., 14c10.64
During the last fall and winter killed 1700 lbs
Have on hand one of the 10 I began with—one I lost12 00
Grain for horse during the time10.00
\$330.37
Add to this for poultry sold during same time25.72
Eggs do, do

I have but little faith in the good run of shorts

or rice meal for keeping swine.

In this town its inhabitants, almost to an individual, are engaged in agriculture, yet not half of the corn consumed is raised here. Exactly Visitor into the Farmer of last week, the doctrine the reverse of this ought to be the case, and is laid down with much decision that "the seed right be, with an effort; and the difference of potatoes ought to be changed every five or six would be perceived in the purses of our worthy years. Even if the seed is brought but two or formers, as well as in the sight of waving fields three miles, the crop will be much better." of golden grain and granaries filled with corn.

Respectfully yours, S. Woods.

Ashby, March 28, 1855.

For the New England Farmer.

BOOK KNOWLEDGE.

For a thinking, earnest man, who is sincerely desirous of the increase of knowledge and of imamong good practical farmers, men who are successful in all farm operations, and who are in- tell us? d bted, much more than they are aware, to the bey own breast, its benefit remains with me alone. on the wings of the wind, through the length and breadth of the land, and benefit thousands. Perhaps it is the result of much thought, and labor, and careful experiment, and why should not others enjoy the benefit of it, as well as myself. What danger is there in sending it forth to the world? who can be injured by it? Why should has all been done by a single horse. This has been my short expersionly be white his light under a bushel, or why single vegetable. Have not many should I hesitate to "hold forth" the light which I have received? But if this information is put into type, and fixed upon paper, it becomes book knowledge, and if I were to read it to my neigh-attention? bor, he would give me a lecture upon the folly of relying upon information derived from books. not to be trusted.

For the New England Farmer.

CHANGE OF SEED.

Mr. Editor:—In an article copied from the

There is a class of people, and verily I am one of them, who cannot believe any theory or dogma, however venerable it may be by reason of its age, without some reason that shall seem good and substantial. Now, if there is any good reason for the above-quoted opinion, I should really like to know what it is. I have heard it advanced many a time before, not only in reference to potatoes, but to all the cultivated crops. But provement in all the arts of life, and especially what is the philosophy of it? What principle is agriculture, the most important of all arts, it of vegetable physiology makes the change necessis exceedingly annoying to hear men, and even sary or advantageous? If I plant potatoes this intelligent men, and even sary or advantageous? year in the "hop-field," next year in the "rocky intelligent men, who of course ought to know year in the "hop-field," next year in the "rocky better, deriding book-farming, and agricultural lot," and the next year in the "big-oak lot," seence, as wholly unsafe, and unworthy the at-well as to rectomy neighbors one three six or tention of practical men. There are some such, well as to go to my neighbors, one, three, six, or a hundred miles off for my seed? Will some one

Allow me to give a little of my own brief ex-Libors of science, who are constantly affirming perience with the carrot. Some seven or eight that the knowledge derived from books is of no years ago, I commenced the business of raising value to the farmer. I have such a man for a garden seeds. I obtained my orange carrot seed n. ighbor, who is eminently successful in his of a neighbor, who has always been in the same own business, and who is always able and will-business. My first crop was, perhaps, as good as increase. ing to communicate valuable and reliable information with regard to his own farm operations. It is inquisitive, and often meets the most intelligent and enlightened cultivators in the State, and carefully treasures up the information he obtains from intercourse with them. I have defined much useful information from him and have never "changed" my seed. Now for the rived much useful information from him, and he have never "changed" my seed. Now for the is leady to impart to all his neighbors, the re-result so far. Two years ago, as I was harvestsults of his own experience, but he denounces ing my carrots, a neighbor, who is also in the books, as wholly unworthy of confidence, and seed business, and a believer in the necessity of quite as likely to teach error as truth. When I frequently "changing seed" for all vegetables, happened to see some heaps of the roots from this likely to teach error as truth. then—or some useful hint, if I do not committit to which I had selected such as were thought suitable paper, but keep it locked up in the recesses of to set for seed; and he was so pleased with them, not knowing they were the rejected roots, that he 18.7 own breast, its benefit remains with me alone, at once asked for some of my seed for his own of the wings of the wind, through the length sowing, as his had "run out." Last fall another neighbor, on seeing my crop, wished to renew his seed also, and he was the one from whom I originally obtained my seed. And this result has been obtained with no special advantage from extra manuring or deep plowing; my plowing

This has been my short experience with a single vegetable. Have not many other persons had a similar experience with other plants, to the improvement of which they have devoted some Yours truly, J. DOOLITTLE.

Elm Lodge, Concord, May 1, 1855.

Remarks.—The above is not only from a prac-He is like Omar, who said of the books of the REMARKS.—The above is not only from a prac-Alexandrian Library: "If they contain only tical farmer, but one of the most careful observwhat is in the Koran, they are not needed. If ers among us. Knowing his soil, we think it they contain what is not in the Koran, it must best to state that much of it is a sandy loam, and be false. Let them be burned." So if books as easily plowed, probably, with one horse, as teach only what he knows, they are of no value. most of our lands are with two, or a pair of oxen.

OF THE PRACTICAL VALUE OF ANALYSIS OF SOIL.

BY HENRY F. FRENCH.

by me tending to show the danger of relying en-In a former number, some remarks were made tirely on theory, in determing the value of ma-

is so interesting to all reflecting tillers of the ordering, in spite of man's feeble efforts to modisoil. The chemist may do much for the farmer, hyssop on the wall, or the cedar of Lebanon. who is already indebted to chemistry, for the Human knowledge can make no approximation greatest improvements in agriculture, which to a conprehension of this Principle of Life. We have been made in the last century. But there take from apples of the same tree their several is a Power beyond and above the reach of science, "that doeth all things well," and "whose ways are past finding out," and it is important always chemist could have analyzed these seeds, and to have clearly in mind, the point where human shown us their exact constituent elements; but knowledge stops, and where man must behold, think you the power of any human science and yet not comprehend the workings of the Infinite. The whole matter of the re-production by plants of their like from the seed is as much a like think you the power of any human science and yet not comprehend the workings of the Infinite. The whole matter of the re-production by plants of their like from the seed is as much a like think you the power of any human science and yet not comprehend the workings of the Infinite. by plants of their like from the seed is as much a mystery to the philosopher as to the child, and Power, new substances are consequently formed we ask the reader of the suggestions below, to re-flect long enough upon the subject of them, to habitually ask himself as he watches the spring. habitually ask himself, as he watches the spring- In the egg of a bird, the chemist, indeed, may ing of his grain, and the blossoming of his trees, detect the same substances which may be found the thrilling question, What is life?

stantly undergoing, and which we refer to chemi-plication of (artificial) heat, these substances cal laws, there are other phenomena of vegeta-should assume the form of flesh and bone and tion, which are by no means so well understood. feathers, and finally of a breathing, living ani-We have seen that the chemist can detect not mal. only the various substances of which grain, as wheat, for example, is composed, but can tell us called at the eccalaobian in New York, where she the precise proportions in which these elements had heard they made chickens in some way are found to exist in it. And, moreover, every without the help of hens. She asked to be one of these elements he can find in his laboratory, and he can combine them in the exact proportions, in which they exist in the wheat. Then and began to explain the operation. But the the question occurs, why, with this knowledge, and the materials at hand, why can he not make out of eggs," eried she indignantly, "who could wheat? Yet the most skilful chemist that has ever spent a life-time in the laboratory, has never presumed to pretend that all his science. When life ceases, either in plant or animals, could enable him to form a single grain. could enable him to form a single grain.

chemistry by no means solves the mysteries of other forms. vegetable growth. In growing plants, the chemical forces are subordinated to an invisible, in-known to render them, in practice, highly useful the Life Principle, or Vital Force.

If we contemplate the turf at our feet, in haps always remain inexhaustible.

But the question will occur, more time, we observe not the uniform. see, springing from the same earth, nourished by with all the abstruse mysteries of this science?

the same soil, watered by the same rain and dew, breathed on by the same air of heaven, plants of different form and size and qualities—the rose, the lily, the croeus and the violet, flowers of different colors and fragrance.

Whence arises this diversity? Why are not actly alike in their structure and qualities?

To these questions, the Chemist can return no nures, because the same substances, so far as answer, through his science. We can only say, chemical investigation can discover, are known that in every little seed which we deposit in the to produce very different effects as fertilizers, as ground, there is a principle of identity with its well as to differ entirely in appearance and form.

L. The standard of the earth, and air and water, and di-I will now re-publish part of an article fur-rects their curious arrangement into leaf, and nished by myself to the Country Gentleman, in stalk, and flower, and fruit, suited to the body continuation of the same general subject, which in which it shall manifest its earthly being, thus

Through the controlling influence of this Vital in the living creature produced from it, but an-Besides the operations which plants are con-alysis fails utterly to show him why, by the ap-

You have heard of the good woman, who

When life ceases, either in plant or animals, the known chemical laws resume their sway, and Chemical action is doubtless going on in all soon reduce the lifeless mass to substances of animals and plants, living as well as dead, but known qualities, again to rise into new life in

tangible, all-controlling essence; they are under to the cultivator of the soil. Indeed the study of the guardianship of a power higher than they, Agricultural Chemistry is one of progress for a which modifies all it pervades, and this power is life-time, one which from its nature, must per-

But the question will occur, must the farmer, spring time, we observe not the uniform results the gardener, the lady who rears a few flowers, which chemical causes should produce, but we in order to cultivate intelligently, be familiar tor should at least know enough to guard against hung up in the fruit trees.

know enough of chemistry, to understand the killing them than in shooting the birds, who are language of books and papers and the conversa-their fellow-helpers in moth hunting. tion of intelligent men upon this subject most -Am. Agriculturist. interesting to all, for it certainly is not respectable, to be ignorant of the common principles of a science which engages the attention of so many distinguished minds. And it may be added, as to those whose business it is to cultivate the soil, the better. the more extensive their knowledge of the princi- ensure the health of all animals; but we must ples of husbandry, the greater will be their in-recollect that fatting is, in itself, an abnormal terest in their business, and the sooner will it be condition, that all animals, rapidly accumulating raised from a position of mere physical toil, to fat, are more or less diseased. The celebrated that of a rational and noble science.

MOTH AND BEETLE HUNTING.

With the first swelling of the buds upon your on fat with surprising rapidity. fruit trees, these enemies of your garden pets; the blossom buds, doubtless laying her vampire which they partook freely, but in the fortnight brood among the young fruit. She is about five-during which they were allowed salt, every sheep eighths of an inch long, and will fall to the ground lost weight. We would give them as much waor fly off unless you approach her cautiously, ter as they would drink; if fed roots, they will Take a turn among all your young trees every require, and drink less, morning, and see that they are cleared of these. In fatting animals, perhaps, the most impordepredators. Occasionally you will find a cluster tant point is to obtain such as are well calculatance, and save you the trouble. Follow up your Ohio Farmer. attacks upon these assects with vigor, remembering that every moth mother slain is a colony of insects exterminated.

Another good trap for them is glass bottles part- are constantly finding something in the vices and

This is by no means essential, but every cultiva-ly filed with sweetened vinegar and water, and Multitudes will be imposition and fraud, by the dealers in patent tempted to their final undoing by these bottled manures, and new theories of cultivation.

Sweets. These insects are legitimate game, and Every educated person, of either sex, should fruit-growers will find much more satisfaction in

FATTING CATTLE.

In fatting animals, the less exercise permitted Exercise is doubtless necessary to breeder, Bakewell, understood this fact, and was in the habit of turning his sheep into marshy meadows for the purpose of getting them diseased. In such a condition they matured earlier and laid

Salt is good for all animals, and probably is, make their appearance, to follow up their work in some form or other, necessary to health; but of destruction, until the frosts of Autumn cut off we know that salt is not good for fatting anithe leaves and end their labors. The practised mals, and should never be given if the object be fruit-grower is already upon their track. Here the accumulation of fat. Experiment agrees among the dwarf pears you can read them with with theory on this point. We recollect when thumb and finger, and crush a world of insect conducting some extensive experiments on sheep, life in a single moth. There is in the last a practical friend urged us to give them salt, ashalf of April, and early May, a beetle of blackish suring us that his sheep did much better with color, with a square upon his back at the inser- than without salt. The sheep on which we were tion of his wings, made up of four little squares, experimenting were doing well at the time, two of jet, and two of dull yellow, that calls for averaging about 2 lbs. increase each, per week. your attention. You will find her at the end of To please our friend, we gave the sheep salt, of

of eggs glued to a limb that you overlooked in ted, from breed, disposition, and symmetry, to the fall. See that they are removed and burned, mature early and fatten rapidly; then keep Do not think that the young dwarf pear, set out them warm, (be careful they are not too warm last fall, will take care of themselves. The moths and that they do not prespire) quiet, and clean. and beetle have a lien upon them, and if you do Feed they regularly and let their food be highly not improve the property you invested in them, nitrogenous, with sufficient available non-nitrothe natural proprietors will resume their inheri-genous matter united with the required bulk .-

MORAL EFFECT OF CERTAIN PURSUITS.—Mr. Pierpont, in one of his lectures, mentioned a fact Soon the large tribe of the Melolonthians will in evidence of the moral advantages of the study make their appearance, and they may be caught of natural science, which is worthy of notice. in great multitudes. The May beetles can be ex- He stated that although many poets and orators terminated by shaking them from the trees they and men devoted exclusively to literary pursuits infest upon a cloth, either at evening or early in have been addicted to intemperance and other the morning, while the dew is on, when they do solitary habits, yet he could not recollect a solitanot fly much. Empty your cloth into the fire. Ty instance of a vicious, a dissipated or intemper-Another method of destroying these insects in are man of science. This statement may be too the winged state is by drowning. This is best unqualified; but there can be no doubt of the adapted to those whose habits are nocturnal, general correctness of it. It is generally admit-We place a half hogshead, or large open vessel in field by those who have written upon the habits the fruit garden, half full of water. Place a of distinguished men, that those who teach monarrow strip of board across the top, and at night radity are often ill-tempered and misanthropic, put a lighted lanthorn upon it. The insects will while those who devote their time and energies be attracted by the light, and in attempting to to the study of nature, are remarkable for a quialight, "blind as a beetle," they will meet a ct, amiable and cheerful temper. The cause of this difference of temper may be that moralists

who pursues the study of nature sees a beauty all the weeping willows in England and America. and harmony and consistency pervading all her works that breathe their cheering influence into his own soul.—Country Journal.

For the New England Farmer.

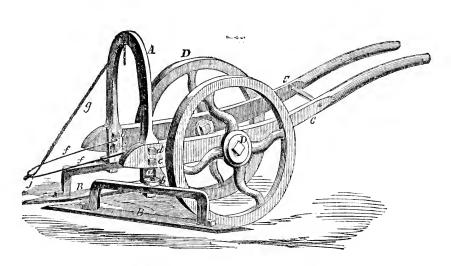
THE WEEPING WILLOW.

weeping willows that hang their pensive boughs resided upwards of twenty years in Italy and its beautifully over the hallowed graves of the dead, neighborhood; lived to the advanced age of sev-England and America are indebted to the distin-enty-three, and died August 21, 1762. guished Lady Mary Montague. It is said that To Lady Mary, also, it is said, belongs the while at Constantinople, whose husband at that honor of introducing inoculation for the small time occupied the embassy, she sent, in a basket pox, a practice which has annually saved many of figs, home to her intimate friend, the poet lives.

prejudices of society to excite their indignation, Pope, a sprig of the Asiatic willow. He set it and to cherish a misanthropic humor; while he out in his garden, and from that twig has come

Lady Mary Montague was born about the year 1690, in Nottinghamshire, England; she was one of the finest and most accomplished scholars of her age; was cotemporary and on terms of intimacy with Hannah More, Addison, Pope, Steele, Bishop Burnet, &c.; was the wife of the accomplished Charles Montague for nearly fifty years; I presume that it is known to few that, for the at the court of George I. for some four years;

R. H. Howard.



A NEW MACHINE FOR HOEING.

have examined it, to be a very great improvement in cultivating the root crops.

The facility and accurateness with which this son & Co. implement operates, in performing that most laborious and expensive part of cultivation—weeding, enables the farmer to cultivate his carrots, best imported, are manufactured in the suburban onions, &c., with one-third the usual expense of town of Waltham. The prices for which these labor.

the implement, and of course have no personal business. knowledge of its merits. A gentleman, however,

J. A. Robinson, of Fremont, N. H., is the pa- who is a large furmer, and one who is thoroughly tented of a new machine for hocing. This imple- acquainted with similar implements, informs us ment is of very recent date, having been patented that he has used it with much satisfaction—findon the 20th of February last. It embraces a principle of weeding entirely new in itself, and is designed in the accomplish the work effectually, and signed for cultivating all vegetables planted in with ease to the operator. He states that when drills, or rows: it is particularly adapted to cul-intended for field use, it should be made sometivating drill-sown wheat, and other small grains, what heavier and stronger than one employed It is concoded by farmers and gardeners, who merely in the garden. Price \$5, and for sale at the warehouse of Messrs. Ruggles, Nourse, Ma-

WATCH MANUFACTORY .- Watches equal to the are sold range from \$20 to \$200 each, at retail. Λ large building has been creeted on the south The statement above we give in the words side of Charles river, which is kept closed against of the patentee himself. We have not worked intrusive eyed. The company is doing a large For the New England Farmer.

THE BIRDS OF NEW ENGLAND.

enough to inform me of the most approved authors ate the birds of Massachusetts, and to give such upon the subject of American Ornithology, and information respecting their habits, as would be where their works can be purchased. Many of your female readers have been interested in the articles published in the Farmer, on the "Birds in 1839, which, together with the other reports on Its appeared in 1839, which, together with the other reports of the soil to know. of New England," written by Mr. S. P. Fowler, on our natural productions, was, by our Legisla-of Danvers, and perhaps that gentleman can give ture, distributed by giving each member, and vathe desired information. Yours truly, April 4, 1855. LAURA.

REMARKS BY S. P. FOWLER.

son's American Ornithology, with additions, incould not tell from any description in the work, cluding the birds described by Audubon, Bonaparte, Nuttall and Richardson." The purchaser from a Cow Bunting. of this book, upon seeing such an array of great names amongst ornithologists, running down its Island was published in 1844, by J. P. Giraud, back, would be led to suppose that he had at last Jr. It is particularly full and satisfactory in its found a cheap edition of ornithology, describing description of our water birds. The object of the the habits and other useful and interesting facts work is best described by its author in his prerelating to all our birds; but in this supposition face, where he says, "He has been induced to of-he would be mistaken. Still, this edition possess-es value to many students in ornithology, in its within the reach of the 'gunners' the means of full and excellent synopsis and copious notes by becoming more thoroughly acquainted with the Sir William Jardine and its editor. It can be birds frequenting Long Island." So we presume

work has as yet appeared in this country.

Mr. Thomas Nuttall published in 1832 his "Manual of the Ornithology of the United States Ornithology," one was published in 1832, in three and of Canada," at Cambridge, in two volumes, volumes, with colored figures, in London, with containing many wood engravings. In his pre-Sir William Jardine's notes. This edition conface, Mr. Nuttall says, "it was my principal ob- tains Bonaparte's continuation. It is advertised ject to furnish a compendious and scientific trea-tise on the birds of the United States, at a price ton, for \$25. This is the cheapest edition of our so reasonable as to permit it to find a place in the ornithology, with colored plates, we are acquaint-hands of general readers." It is known to many ed with. An edition of "Wilson's Ornithology" how well and truly he accomplished his pur-pose. The first volume contains the land birds, ble & Co., in the Constable's Miscellany, and edit-with an introduction of thirty and the land birds. with an introduction of thirty pages, presenting the general subject of ornithology with great beauty and interest. The second volume gives us the water birds, with an appendix drawn from discoveries and the Birds, and the Birds, with an appendix drawn from taining additional details by Audubon, Richarddiscoveries made by Richardson and Swainson. son and Swainson. This is a neat and satisfacto-We are sorry to add in connection with this ry pocket edition, containing some four or five work, that this valuable "Manual of our Ornith-ogy" has beeome scarce; we can point to no lady. But where it can be obtained I know not; book-store where it can be obtained. A few the one I possess was ordered from London many copies can only occasionally be found at Burn- years since. ham's, in Cornhill.

survey was ordered to be made by our Legislature in 1837. One portion of the work, allotted to a gentleman on the commission, was our orni-Mr. Brown :- Dear Sir,-Will you be kind thology. It was understood he was to enumerrious literary institutions and societies, one copy each, limiting the distribution in its descent to the people, to incorporated societies and acade-REMARKS BY S. P. FOWLER.

In answer to the request of your fair correspondent I would say, there is, perhaps, no part of the natural history of our country better miles, and giving but one copy to every town in the commonwealth, however large it might be. The copies remaining not distributed were laid natural history of our country better written or aside for future Legislative action. The new illustrated, than its ornithology. Many valuable members of the next Legislature finding them on and beautiful books have appeared upon this sub- hand, and perhaps in their way, voted the balance ject, and are to be found in some of our public li- of the edition into their own pockets, and that is braries, and in the mansions of the wealthy; the last we hear of it. Such has been the action of but it would be difficult to direct a person to a our Legislature in regard to many of its valuable book-store where could be obtained a work deprinted reports, and we are sorry to admit, in scriptive of all our birds, at such a price as would years past, we have sometimes participated in it. come within the means of the general reader. A But there is one consolation to our cultivators of cheap edition of Alexander Wilson's "American the soil, in their never having seen, and scarcely Ornithology," with Charles Lucien Bonaparte's knowing of the books prepared for them by the continuation, has never been published, to my knowledge, in this country. An edition appeared from a New York press in 1852, styled "Wil-son's American Comithelear with additional and the state of the continuation of the books prepared for them by the continuation, has never been published, to my kind for the books prepared for them by the continuation, has never been published, to my kind for them by the continuation of the books prepared for them by the continuation, has never been published, to my kind for the books prepared for them by the continuation, has never been published, to my kind for the books prepared for them by the continuation, has never been published, to my kind for the books prepared for them by the continuation, has never been published, to my kind for the books prepared for them by the continuation, has never been published, to my kind for the books prepared for them by the continuation, has never been published, to my kind for the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for them by the continuation of the books prepared for the books prepared for the books prepared for th

A valuable local history of the birds of Long found in the book-stores of Boston and New the work would be more interesting to a rough-No cheap edition of Audubon's splendid faced shooter of water-fowl, than it would be for ''Laura.'

In regard to the foreign editions of "Wilson's

In view of all that we have now written, it In order to a full and better acquaintance with would seem that we have not at this time a cheap the natural productions of our commonwealth, a and complete work, embracing a full history

S. P. Fowler.

with specific descriptions of all our birds. Such a few minutes, at a few cents expense, which, by a book is wanted by the farmer and horticultur-ist to place in their library, for reading and ref-days and dollars to extirpate. Had some of them erence, alongside of other works on the cultiva- lay on railroad route, it was estimated that to tion of the farm or the garden. "Laura" also, and other persons, who love to study the beautiful in nature, would like to own a perfect and comparatively cheap edition of American ornithology. Who will furnish such an edition?

Danvers-port, June 16, 1855.

A "WAKE" AMONG STUMPS!

OR, THE "ORANGE STUMP PULLER" IN FITCHBURG.

Willis, with his machine, was on hand according to promise, and assailed the stumpy race with vigor and success. Many hundreds, perhaps thousands, during the day, were witnesses of his exploits. The power of the machine is great and Many of their best fields have been brought into astounding. With a single yoke of cattle, the notice, in some sense created, by the agency of power made to bear on a stump rose from twentythis machine. This may be known and read of
five to eight hundred tons purchase; and, with all, for, as the intelligent traveller glides through suitable gear, I see not why it might not be in- the smiling village of South Orange, he every-definitely increased so as to move mountains as where sees evidences of fresh improvement; he well as massive roots.

had they remained undisturbed, they might have this advancement. outlasted the most robust man or boy, who saw them hurled from their dominion. The average time consumed on each may have been five minutes, though sometimes, by the aid of cross- York Geographical Society, said: chains, four and five would heave up at once. A few hours covered a large area with huge car-easses; it was what "war hawks" might call a "well-fought field." with, however, no blood or groans. The spectators were impressed with but one sentiment, to which they gave enthusiastic states so much as its wanton destruction. We one sentiment, to which they gave enthusiastic staterance, namely, that the "stump puller" has the element of prodigious power, a power easily applied in promoting the good appearance and value of rocky and stumpy lands. Every farmer who has lands to cultivate or occupy by buildings, who has lands to cultivate or occupy by buildings, knows that their value is much diminished by these odious exercscences—excrescences that may out-live him and his sons after him; the many live and live on through sunshine and storm, and to eradicate the forests of the North, as they are lost write contract the first sunshine and storm, and of a gregarious order—one class succeeding and of a gregarious order—one class succeeding and of a gregarious order—one class succeeding and s look with scorn on the longevity of the great majority of mortals.

Moreover, as the eye was made for beauty, and beauty for the eye, who can look on a lawn-like, verdant field, without being happier? Or who can look on a field snarled and blackened by stumps, without wishing these "eye sores" dispatched to Guinea or Botany Bay? Still, many a farmer will perhaps daily pass and repass, for a quarter of a century, a spectacle of such deformities, and wish it gone, all gone, and he, and the son in his likeness, will live wishing, and die wishing, and there ends the stump stir with him. Whereas, should be arouse himself to a little action, and apply this "puller," the first day might throw up an acre of these "eye sores," the second make of them a durable fence, the third plow the lands. Forests, though they are first an obstacle field, the fourth plant or sow it, and then, loaded to civilization, soon become necessary to its conand waven with fertility, it would at once remind us of the field that Heaven had blessed.

remove them, by Irish labor, might have cost from ten to twenty dollars.

This machine should rank among the many appliances of a civilizing kind which characterize our times. It causes the crooked to become straight and the rough places smooth, and spreads fertility and a charm over rugged nature. No town, no group of towns, can apply this instru-mentality to their fields without sensibly promoting their beauty, thrift and value. The town of Orange, where the proprietor resides, is a happy illustration of what we have in view. Gentlemen were present from that place, and testified touching its practical bearings among them, where it is most known and has been most used. sees large fields of rough land becoming smooth, The stumps he routed were not pigmies, but and new and beautiful fields breaking into view, altogether respectable in girth and expanse of as by enchantment, and on inquiry he learns that root, and most of them rather recently cut; and the Patent Stump Puller has had a hand in all

DESTRUCTION OF WOOD.

Dr. Hawks, in a late address before the New

"Civilization uses a vast amount of wood, although for many purposes it is being fast superseded; but it is not the necessary use of wood that is sweeping away the forests of the United States so much as its wanton destruction. We of a gregarious order—one class succeeding another; but the tropical forests, composed of innumerable varieties, growing together in the most democratic union and equality, are never cradicated. Even in Hindostan, all its many millions of population have never been able to conquer the phenix-life of its tropical vegetation. Forests act as regulators, preserving snow and rain from melting and evaporation, and producing a regularity in the flow of the rivers draining them. When they disappear, thunder storms become less frequent and heavier, the snow melts in the first warm days of spring, causing freshets, and in the fall the rivers dry up and cease to be navigable. These freshets and drouths also produce the malaria, which is the scourge of Western bottomtinuance. Our rivers, not having their sources above the snow-line, are dependent on forests for The economy of this operation must not escape notice. Stumps were drawn on this occasion, in

EXTRACTS AND REPLIES.

GRUBS IN CORN.

merous correspondents, inform me through the answer all purposes; and here the young farmer columns of the Farmer, whether there is any remedy for the grubs which are destroying whole fields of corn, pumpkins and young hops, in this haps, better than this, in which the officers of our vicinity. VERDANT FARMER.

Elmore, Vt., June 16, 1855.

the thumb and fingers; and a careful application remember us at future shows? of these will accomplish much. It is a tedious and unpleasant process, we admit, but a necessa-take note of what you say, as your suggestions ry one. There is seldom but one worm in a hill, are of a practical character, and in the right diand an observing eye will soon detect his opera-freetion. Our Middlesex Show is to be holden on of the fingers into the ground will bring him to premium of three dollars and another of two dolthe light, when he may be despatched. Perhaps lars for the first and second best declamation some of our writers may suggest a different rem-|upon any agricultural subject, by any young man edy.

THE RAPE PLANT.

Dear Sir:—"J. R.," in the first June number of the Farmer, recommends the raising of rape or cole for various purposes. Having received a parcel of seed from the patent office, through the politeness of the Secretary of the Massachusetts Board of Agriculture, the last year, perhaps some of your readers would like to know of my success. I was requested, if successful, to report the result to this (the patent) office.

I sowed a part of the seed as soon as received, (in May, 1854,) on good corn land. The plants came up well and flourished finely until September, when the leaves withered and fell off, leaving the bare stem, without flowering, a dry monument to mark the spot where something of the cabbage kind had grown. A neighbor, wishing for eabbage plants, took some two hundred of the plants and transplanted them for cabbage, and his success was the same as mine. Farther experiments may be more successful, but I fear rape in our vicinity will prove an uncertain crop.

Sudbury, Mass., 1855. A. B.

YOUNG MEN-CATTLE SHOWS.

great importance to us farmer boys—a kind of a many months by sealing them up with wax or second fourth of July. But still, it is not a day rosin in clean junk hottles. We have tomatoes of as much importance as we wish it were, and may think we were reaching beyond our spherearose, why cannot we take an active part and perfectly simple and easy process. have direct interest in our fairs! We are now limited to a certain extent, in a few particulars, and in these are under the control of others, so

glad to promote such an object, if they understood it rightly, and grant a few small prizes for the competitors. It would be of no expense to MR. Editor: -Will you, or some of your nuthe society: a rude stage upon a common would might be preparing himself, in several ways, for future usefulness. There are many ways, persocieties, had they inclination, might help the forgotten plow-boy and stimulate him to higher Remarks.—We know of no remedy but that of examples. Will they not take note of this, and FARMER BOY.

Remarks.—Yes, Mr. "Plough Boy," we will tions upon one of the plants, and a plunge or two the 26th of September next, and we now offer one between the ages of 14 and 20 years. The exereise to take place at some convenient time on that day, by the composer himself, and not to exceed ten minutes in the delivery. Competitors to be eligible from any town in the State.

PRESERVING TRUITS.

My Dear Sir:—I send enclosed a notice of a new kind of cans for preserving fresh fruits and vegetables. Can you give your readers any information concerning them? What their size, price, &c., and whether they can be procured in Boston? It is very desirable to find something to accomplish the object proposed, easily and economically. If you can aid the public by advice or information on this subject, you will do a good Yours very respectfully,

Bedford, June 7, 1855. W. Cushing.

Remarks.—Arthur's patent air-tight, self-sealing can, is manufactured and sold by Arthur, Burnham & Co., at 60 South Tenth Street, Philadelphia. The prices are for pints, \$2 a dozen; quarts, \$2,50; half gallon, \$3,50; and gallons, \$5,00. It is said the can receives no injury whatever in being sealed or unsealed. Green currants MR. EDITOR:—Cattle-show day is a day of or gooseberries may be kept perfectly good for rosin in clean junk bottles. We have tomatoes now (June 25) perfectly good put up in bottles think it ought to be. A number of the "plow now (June 25) perfectly good put up in bottles boy family" met a few evenings since, and were last October. They were stewed and salted a talking—I will not say discussing, for fear you little, and turned hot into hot bottles, and sealed with common red sealing wax--the whole being a

ABOUT POTATOES.

Mr. Editor:—Being a subscriber of your valthat, if there are any honors or satisfaction uable paper, I have noticed for the last few weeks gained, they obtain them. In other words, while a controversy upon the potato between "S. P." we are heating the bush, they are catching the and "B. W." Having myself had some experibird. We wish for something we can exercise ence in the business of raising potatoes, I wish to our own abilities upon, free and independent of relate an instance that came under my observaothers. Why cannot we have a declamatory or tion. In the spring of 1854 I planted an acre of oratorial exercise? There are many wealthy and ground with potatoes. One-half I planted with influential men, we have no doubt, that would be large and the other with small potatoes. The planted received the same amount of manure and good wine was that which was destitute of spirit. the same attention in hoeing. I received 120 Plutarch calls that wine best which is barmless, bushels from the acre; 70 bushels from the part and that the most useful which has the least planted with large and 60 from the part that was strength, and that the most wholesome in which planted with small potatoes. Now if "B. W." nothing has been added to the grape. will explain this falling off, not only of the amount but size of the potatoes, I would be obliged.

Yours truly,

TO DESTROY THE ONION MAGGOT.

rows, directly upon the plant, will effectually prevent the ravages of the onion worm. This I have from several reliable gardeners, who speak small quantities easier than in large, and know from experience, and thinking it worth knowing through the community, I send the statement to can Agriculturist. the Farmer, (everybody's newspaper,) for publi-

Lebanon, N. H., June 18, 1855.

BUCKWHEAT OR TURNIPS.

What can I sow to advantage on a piece of new land prepared for millet, (but cannot get the seed,) a part of which is well fished. I am more in want of a crop than benefit to the land.

W. P. H.

Remarks.—There is plenty of time for a crop of buckwheat, ruta bagas or flat turnips.

GRAPES AND WINE.

In your paper of last July, I observed a valuable piece on the use of the grape as a food or medicine, which was too good to pass unnoticed.

The most eminent physicians, and men who have travelled in grape countries, agree with you. Apricots, and the finer varieties of the plum, are Observer finds an exception in Paris? What less and pears, from hardy and productive trees, two could be expected of a city like Paris. There is to five bushels per tree, with good management, a wonderful difference between a man's sitting is a frequent crop; and on large pear trees five intoxicating poisons.

create unnatural thirst, till, like a poisoned rat, trees of the Doyenne or Virgalieu pear have often he drinks himself to death. The pure juice of afforded a return of twenty dollars or more, after the grape, or the fruit, tends directly the other being sent hundreds of miles to market. An

growth; the former ripening in August, and of Philadelphia and the strawberries of Uineinbeing sweet, productive, and free from pulp. I nati, a great deficiency is still felt in all our large suppose they may be found elsewhere. There are cities. Of these two fruits, large plantations are families in this place who have made and kept brought rapidly into full bearing. The fruit, for years excellent wine for medical purposes, of when ripe, quickly perishes, and cannot be kept fine flavor and color, and without adding alcohol, a week; yet thousands of acres in peach trees, spirit, or coloring matter to the wine. There are bending under their heavy crops, are needed for two skilful physicians near by, who use this the consumption of the one city, and broad, lifty wine, and no other, for medicine.

ity. The wine he made was that which he dis-months, many times the amount would be needed. tinguished by calling it the fruit of the vine. But the market would not be confined to large

ground upon which the small potatoes were Pliny, who lived at the time of our Saviour, says

The Commissioner of Patents has had a bottle of excellent wine presented to him, which, he says, has no intoxicating power. I apprehend no difficulty in making such wine, and having it improve by keeping. The grape can be kept the Tobacco steeped in water and poured along the year round, and the juice pressed out when wanted. Every family, or physician, or church officer can make what is needful, and keep it in what they are using.—Phineas Pratt.—Ameri-

PROFITS OF FRUIT.

Examples almost without number may be given, where single trees have yielded from five to ten dollars a year in fruit, and many instances in which twenty or thirty dollars have been obtained. If one tree of the Rhode Island Greening will afford forty bushels of fruit, at a quarter of a dollar per bushel, which has often occurred, forty such trees on an aere would yield a cropworth four hundred dollars. But taking but onequarter of this amount as a low average for all seasons, and with imperfect cultivation, one hundred dollars would still be equal to the interest on fifteen hundred per acre. Now, this estimate is based upon the price of good winter apples for the past thirty years, in our most productive districts; let a similar calculation be made with fruits rarer and of a more delicate character. It is a common saying, that in wine countries often sold for three to six dollars per bushel; there are but few drunkards. The writer in the the best early peaches from one to three dollars; under his own vine, cating the fruit and drinking times this quantity. An acquaintance received the juice, and going to grog-shops and other deeleight dollars for a crop grown on two fine young testable places, and taking their wines and other cherry trees, and twenty-four dollars from four toxicating poisons. young peach trees, of only six years' growth Alcohol, whether clear or adulterated, tends to from the bud. In Western New York, single way, and also to give strength and health and acre of such trees, well managed, would far ex-

The grape is of the easiest culture, by slips, cuttings, grafting, or transplanting from the swamps. There is in this region the best of table will depend on the judgment and discretion of grapes, and the best of wine grapes of native cultivates. With the exception of the peaches ine, and no other, for medicine.

One of the greatest pleas for using intoxicating many hundred bushels of strawberries daily into liquor is, the idea that our Saviour used, di-the other. If, instead of keeping but three days, rected it, &c. A very great mistake and absurd-sorts were now added that would keep three

Railroads and steamboats would open new channels of distribution throughout the DOES THE CURCULIO PUNCTURE THE country, for increased supplies. Nor would the business stop here. Large portions of the eastern continent would gladly become purchasers, as soon as sufficient quantities should create facilication of the continent would gladly become purchasers. AR. Editor:—I have a fine-looking young orchard of 100 Baldwin trees, set twelve years ties for a reasonable supply. Our best apples ago on rocky upland on the west side of Mystic are eagerly bought in London and Liverpoon, where nine dollars per barrel is not an unusual price for the best Newton Pippins. And by being packed in ice, Doyenne pears, gathered early in autumn, have been sold at mid-winter in of Boston and vicinity, yet it is mainly what would be called a warm, sheltered location, on are eagerly bought in London and Liverpool, maica, and strawberries to Barbadoes. The Baldwin apple has been furnished in good condition in the East Indies, two months after it is entirely gone in Boston.

GOOD ADVICE.

Eat only what is proper food; Drink only that which does you good; Spend only what you can afford; Lend only what will be restored; Then you will have no cause to say, "I was a fool on yesterday!"

FADELESS IN A LOVING HEART Summy eyes may lose their brightness; Nimble feet forget their lightness; Pearly teeth may know decay! Raven tresses turn to gray ; Checks be pale and eyes be dim; Faint the voice and weak the limb; But though youth and strength depart, Fadeless is a loving heart.

SIMPLE TRUTH.

There's not of grass a single blade, Or leaf of loveliest green, Where Heavenly skill is not display'd Or Heavenly Wisdom seen.

FAMILY JARS.

Jars of jelly, jars of jam, Jars of potted beef and ham, Jars of early gooseberries nice, Jars of mincemeat, jars of spice, Jars of orange marmalade, Jars of pickles, all home made, Jars of cordial elderwine. Jars of honey superfine :-Would the only jars were these That occur in families.

telligent and successful farmer informs us that he mense earnestness, threatening to take us off summer, particularly if the season is such as to and make us quite at home. The bottom of afford flush pastures. His reasoning is that a the brook is not sand or gravel, but rocks of full, rapid and vigorous growth of grass gives to eattle that feed upon it, a desire for something to or moss-covered. The stream goes over them absorb the excess of the juice in their food. Dry at the rate of ten miles an hour. The descent is have they descent greatly and though is some that the rate of ten miles an hour. hay they devour greedily, and though in ever so small quantities, evidently with the most beneficial effects. Every farmer must have observed The trees on either side shut out all direct rays that in dry seasons, horses, cuttle and sheep, kept of the sun, and for the most part the bushes line ing with them was slow. Dry fodder in such black twilight, which softens nothing, but gives cases is required to give substance and tenacity more ruggedness to the rocks, and a sombre asto the green, and can be profitably used by feeding it to horses and eattle.—Newburg Telegraph.

It is a great matter to take a trout early in

For the New England Farmer.

Pond; the soil is uneven, from gravelly knolls to account of the forests above it on the north-west. This orchard has blossomed repeatedly, yet no fruit is obtained of any amount: for the fruit is punctured in the same manner as plums by the curculio, but with not exactly the same results; the fruit, by means of the marks, if it holds on, becomes knotty as it grows, and consequently worthless; the marks are already made to the number, on some, of seven or eight, or more.

There was a fine blossom this year, enough to produce, were the trees on the plain, two hundred barrels of fair fruit; but with the operations of those insects I do not expect hardly a single bar-

rel of handsome apples.

Now can you or any of your able correspondents give any light upon this subject, and tell me whether I can ever expect fair apples on that soil and location? If things go on as they have thus far, the sooner I cut down the apple trees and set out peach trees, the better. I should have remarked that the land has been kept under the plow the whole time, and good crops of vegetables obtained.

John P. Wyman.

West Cambridge, June 16, 1855.

Remarks.—We have no doubt that the curcu lio does puncture the apple. What the remedy is to be we cannot say. Lime, plaster or ashes will prevent their depredations on plum trees, but the operation on an orchard, unless the trees were quite small, would be too tedious and expensive. Will correspondents enlighten us?

TROUTING.

We put into the brook just below a smart foamy fall. We have on cowhide shoes and other rig suitable. Selecting an entrance we step in, HAY FOR COWS IN SUMMER.—An observing, in- and the swift stream attacks our legs with imis in the practice of feeding his cows with hay in from them. A few minutes will settle all that in good condition upon herbage parched and ap-the banks so closely, and cast their arms over so parently seant, while in wet seasons, in tall pastures, though always full, the process of fatten-twilight losing its lustre, but a transparently your trial. It gives one more heart. It serves to keep one about his business. Otherwise you are ant to fall off into an unprofitable reverie; you wake up and find yourself standing in a

the stream, your short rod in your hand, let out welve to twenty feet of line, varying its length State, country and world. twelve to twenty feet of line, varying its length according to the nature of the stream, and, as far as it can be done, keeping its position and general conduct under anxious scrutiny. Just here the water is mid-leg deep. Experimenting at each forward reach for a firm foothold, slipping, stumbling over some uneouth stone, sliding on the moss of another, reeling and staggering, you will have a fine opportunity of testing the old philosophical dictum that you can think of but one thing at a time. You must think of half a dozen; of your feet or you will be sprawling raise corn to sell. a dozen; of your feet, or you will be sprawling raise corn to sell. in the brook; of your eyes and face, or the branches will scratch them; of your line, or it railroad, were looking for the beautiful in natural scenery, and highly cultivated farms, he would seen wish to take

flashes in the air and disappears, but re-appears to the metant backward motion of your hand, and the victim comes sklittering up the stream, whirling over and are victim comes sklittering up the stream, whirling over and are victim comes sklittering up the stream, whirling over and over, till your hand grasps him, extricates the hook and slips him into the basket. Poor fellow! you want to be sorry for him, but every time you try you are glad instead. Standing still, you bait and try the other side of the stream, where the water, wiping off the bubbles from its face, is taken toward that deep spot under a side rock. There, you've got him! Scientific American, in your last on this subject, Still tempting these two shores, you take five in the author did not, as I could discover, under-all, and then the tribes below grow cautious. Letting your line run before you, you wade for the phenomena of volcanoes, hot springs, &c., letting your line run before you, you wade for the phenomena or voicances, not springs, etc., along, holding on by one branch and another, taking into especial regard such as the geysers fumbling with your feet along the jagged channel, changing hands to a bough on the left side, leaning on this rock, stepping over that stranded log. Ripping a generous hole in your skirt as from the fact that Vesuvius, that once overyou leave it, you come to the edge of the petty whelmed two "cities of the plain." and in the fact. Vesuvius, that once overyous leave it, you can stranded the stranded by the stranded that the discussion of the surface of the plain." and in the fact that Vesuvius, that once overyous leave it, you can thinking only how to know a labeliant of the torrific seems attending one of your balance, and not at all of the probable depth of the water, till you splash and plunge down described by Pliny the younger, the elder lost into a basin waist deep. The first sensations of his life, is now again, for the fiftieth time since a man up to his vest pockets in water are petallically followed by the control of the Christian era, belching forth its floods of culiarly foolish, and his first laugh rather faint. molten elements and deluging the country with He is afterward a little ashamed of the alacrity desolation. with which he scrambles for the bank. A step or two brings him to a sand bank. But while you are in a scrape at one end of your line, a ing, especially dairy stock, is probably greater trout has got into a worse one at the other. A than is usually supposed. The field cultivation little flurried with surprise at both experiences, of this plant is much on the increase among the you come near losing him in the injudicious haste farmers of Great Britain. The amount of nutriwith which you overhaul him.—Beecher's "Star ment matter which is cupable of being raised Papers."

For the New England Farmer.

ROOM FOR IMPROVEMENT.

Mr. Editor:—I have been a reader of your flows black and broad among the rocks, with quainted, I give it the preference. Its columns moss-green above the water and dark below it.

Proceedings of the preference of th oss-green above the water and dark below it.

But let us begin. Standing in the middle of Through it we learn the results of experiments,

We have a seminary of learning in our town,

will tangle at every step; of your far-distant hook and dimly-seen bait, or you will lose the end of all your fishing. At first it is a puzzling business. A little practice sets things all right. Do you see that reach of shallow water gathered to a head by a cross-bar of sunken rocks? The water splits in going over upon a slab of rock below, and forms an eddy to the right and one to the left. Let us try a grasshopper there. Casting it in above and guiding it by a motion of your rod, over it goes and whirls out of the myriad bubbles into the edge of the eddy, when, quick as a wink, the water breaks open, a tail flashes in the air and disappears, but re-appears

ural scenery, and highly cultivated farms, he would soon wish to take up a morning paper and have the car-wheels "fly swifter round;" and if he should have occasion to alight at the stopping the skirts of a barren plain, with here and there a few poor old cows, vainly trying to satisfy the cravings of hunger by elipping its scanty growth of grass; at another, the ears will leave him of grass; at another, the ears will leave him in sight; but his ears may be saluted with the hooting of owls and the melody of bull-frogs. Yet there are pleasant locations, fertile farms,

Seekonk, Mass., March, 1855.

For the New England Farmer.

INTERNAL STRUCTURE OF THE EARTH.

You step down, thinking only how to keep admiration of the terrific seems attending one of R. H. H.

Cabbages.—The value of cabbages for breed-

from an acre of land under cabbage is, compara- handling necessary to gather and secure them. apart, and the plants not less than 24 or 26 inch- tation or "sweating" which it undergoes causes are the Drumhead and the York.

HAY AND HAY-MAKING.

which we can hope to say little that will be new ferent manner. Care should be exercised in curto all our readers. But there are some things ing in this way, not to put up the hay before it which need to be repeated, as the season for at- is fully wilted, and that the cocks be small and tention to the subject returns, so we recall some well constructed, so that the "sweating" process facts and suggestions on Hay and Hay-making. may not be earried to excess, and induce so great In what stage of its growth grass should be cut, a fermentation as to decompose the sugar of the and how it should be cured, are questions of con-hay-changing it to alcohol and carbonic acid. siderable importance—but questions which are on the real not authoritatively decided. We will state some value of the hay crop, but that is a matter beyond chemistry and analogy—but bearing more par- weather proves changeable, with frequent showers, ticularly in favor of early cutting and shade curthe less the hay is stirred the better, for it will ing, which are thought by many of our most in-retain its value while lying wet in the swath,

largest amount of matter soluble in water at the period of flowering, and that the sugar and gluten of the grass, and a few other soluble ingredients, constitute its chief value as food for animals. These rapidly diminish as the seed forms, this season. Beside, having will not commence changing into insoluble woody fibre, and the hay, under a fortnight!—Rural New-Yorker. which should, as far as may be, resemble grass in its most perfect state, is worth much less if not made until after that period. There are but few exceptions to this rule; among these are the Kentucky blue grass, the June grass and some others, which furnish but a light amount of stem and are most valuable for their leaves. They continue growing through the summer, and hence may stand far past the flowering age beneficially.

Those who advise cutting hav when the seed is fully formed, bring forward as an argument in favor of the practice, the fact that hay made from ripe grass yields the greatest amount of extract when boiled, and must therefore contain most nutriment, but it is now shown that the boiling very imperfectly imptates the process of digestion, and both analysis, and experiment with the living animal, confirm the fact that the best hay is that made from grass cut and properly eured when nearest the point of blossoming.

The process of curing which shall most perfeetly retain the nutritive properties present in the plant, is the best process. In drying herbs for medicinal and culinary uses, the experience of many centuries teaches, that drying in the shade is the only way to secure, to its fullest extent, the desired object. In making hay this cannot be entirely accomplished, but the plan which follows it most closely, that of curing in the ing. swath and cock, is a good and safe one-advantageous also, as requiring less exposure to injury from rain than any other.

leaves and blossoms drop off and are lost by the change.

tively with most other crops, very large, and with When mowed, let the grass get fairly wilted and an extended knowledge of this fact, the cultiva- the moisture dried off while in the swath, with tion of it will be probably much extended. The perhaps, a single thorough shaking up and spread-land requires to be rich, deep, and somewhat ing, and then be put into cocks, and it may be moist. The rows should be at least 30 inches secured with very little loss. The partial fermenes. The two best varieties for field cultivation but slight change in its constituent parts—save that it separates the water therefrom,—and after standing thus twenty-four hours, it needs but little after-tending to prepare it for the mow or stacks, and has far less of that harsh or strawy A seasonable subject, truly, but one upon tendency which it would possess if cured in a dif-

facts relative to both subjects—drawn from our control. If one has hay down and the telligent farmers to secure the greatest nutritive much longer than if disturbed with repeated dryvalue of the hay.

Chemistry shows us that all plants contain the washing by rains, and this, if many times repeated, will totally destroy its value.

We might add further practical directions in regard to having, but our present article is about as long as those interested will care to read, at

BUTTER MAKING.

Not one pound in five of the butter sold in our cities under the name of "Goshen," &c., and very little "country butter," is fit for human use. Butter makers should remember these few short rules:

The newer and sweeter the cream, the sweeter and higher flavored will be the butter.

The air must be fresh and pure in the room or cellar where the milk is kept.

The cream should not remain on the milk over thirty-six hours.

Keep the cream in tin pails or stone pots, into which put a spoonful of salt at the beginning, then stir the cream lightly each morning and evening; this will keep the cream from mouldering or souring.

Churn as often as once a week, and as much oftener as circumstances will permit. Upon churning, add the cream upon all the milk in the

Use nearly an ounce of salt to a pound of but-

Work the hutter over twice, to free it from the buttermilk and brine, before lumping and pack-

Be certain that it is entirely free from every particle of buttermilk or coagulated milk, and it will keep sweet forever. In Scotland, a syphon is Clover hay and coarse herd's grass especially, sometimes used to separate the milk from the need to be cured in this way, as when dry, many cream, instead of skimming the pans.—ExFor the New England Farmer.

ITEMS FROM IOWA, &c.

as remarkable for mildness, as it has been reseasons; if not hauling and cutting wood, pitch-markable for its severity, the remainder of the ing hay, &c. The different climates have differ-winter. Our spring is about three weeks later ent products that demand attention in winter than that of the previous year. We had frag-preparing tobacco for market, ginning cotton, ments of snow in April. We have had two co-hulling rice, making sugar and molasses, and pious rains this spring, and the ground is tol-preparing the ground for the next crop. This, I erably well saturated.

here, and from reports, I judge the erop is un-climate are more nearly equalized than is geneusually promising throughout the western States, rally supposed. Southern winters are generally Probably there has been an unusual quantity of delightful; but even there, where there is no

some locations, promise a feast. Since the above perfence, you can hardly appreciate the absence was written, we have had two severe frosts, on of musquetoes, fleas, gauze-winged fleas, &c., &c. the 8th and 9th of May, which, perhaps, have A feverish patient never longed for a cooling taken a few facts from my calculations on fruit. draught more than I have, in a warm climate, However, of that I may report hereafter.

the reliable crop, failing last year as an excep-rally have—refreshing sleep. corn becomes large enough to be worked, it is for elbow room. first of July, then the corn is left to its own care, March, expressed a desire for a few more items and wheat harvest demands the attention of "all from "Nemo," before "the shakes should earry hands." Seldom is a hoc in a corn-field after planting. A man and a horse can usually "tend" again." "The shakes!" What terror in that from twenty to thirty acres of corn, usually yield-ing from forty to sixty bushels per acree. About When you are right among "the shakes," they sentember corn enough for fodder for steel is cut and put in shock; the remainder remains in is over. It is only freezing a little too cold, and the field and is "shucked" at leisure, from No-thawing a little too hot—a little periodic variety. vember to January. A two horse wagon passes that can be stopped when you are tired of it. along the rows, and the corn, as it is "shucked," From ten to twenty grains of quinine, taken after corn-erib, which is frequently nothing but a rail-only they are a leetle hydra-like. I ought to pen. Sod ground is seldom planted to corn. know, "I'm experienced." I've tried it on my-The same ground is frequently planted year after self a hundred times, and it never failed. I keep year in corn, without manuring. Let no one quinine "constantly on hand," and begin to like suppose that there are no weeds in the virgin it. No Maine law against my bitters. soil. It is full of them—more rampant than in New England, and would destroy any corn erop. if not subdued. Better culture would raise more corn, but it is a question whether it would pay at past prices.

western man drive an ox team, sitting, usually, by hoeing in dry weather, but the reason why, or on the wagon, with a long lash and a cracker attached to a long pole, wielded with both hands, almost construity lashing and cracking his team, accompanied by a generous expen liture of breath, active positions, is generally admitted.

Witter is generally admitted. and often trotting his unloaded team like stage. Water is composed of oxygen and hitrogen, horses. Oxen are presumed to be less deserving. These substances are also contained in different

a greater capacity to endure beating, thus graduating mercy, after all.

Your May number has something to say about Mr. Editor: -My last items to you were of climates, &c., and I have always found, in all January 21st, and up to that date we had weather places, that the thrifty had a plenty to do at all ably well saturated. presume, was calculated for a busy world, and a Winter wheat never looked more promising little experience suggests that the comforts of spring wheat sown. Judging from present indiperent gold, the system is sometimes chilled, cations, there is every hope that there will be an shivering and torpid. If the South has delightful summers.

There is now a fair promise of a good erop of fruit, of every description. Even peaches, in longer season of multiplication, and, without expenses the peaches, in longer season of multiplication, and, without expenses the places.

for one summer night's rest, such as I have had Corn is one of our staple crops-in fact, it is in New England climate, such as you all gene-

tion. The mode of cultivation of corn here may be new to some of your new subscribers. Plow- Athens, when required to paint a model of beauty, ing is usually done with horses—a good span chose six of the handsomest ladies of the city. plowing about two aeres per day. It is then that he might select the peculiar beauty of each furrowed off with a small plow, about three and to combine in one Helen. If we could select the a half to four feet between furrows, then crossed desired portions of the year of a half a dozen with furrows at right angles. The corn is dropped elimates to make one, even then we would probat the crossings, and usually covered with a hoe, bly croak a little, by dint of habit. And if one though frequently with a horse and shovel plow, elimate alone possessed all the advantages, that or some other similar implement. When the alone would be inhabited, and we would quarrel

plowed both ways of the rows until about the "A Reader," who reviewed the Monthly for September, corn enough for fodder for stock is are a mere trifle—a bad dream—nothing after it is thrown into the wagon and conveyed to the the dream is past, is sure death on the shakes,

> Хемо. Burlington, Iowa, May 25, 1855.

HOEING IN DRY WEATHER.

Experience has fully established the fact thac It would amuse a Yankee teamster to see a corn, and other crops, are essentially benefited

mercy than horses-perhaps because they have proportions, in the earth and atmosphere, and

which, with other substances, act upon the seeds past. Earl C. Briggs, Keeper of Alms-House. and produces germination, and gives to the newborn plant a vigorous start into existence. After the soil has remained quiet for some time, these substances having exhausted their energy by neutralizing the powers of each other, the plant DOES THE CURCULIO PUNCTURE THE having absorbed all the elements of nutrition within reach of its roots, it growth becomes retarded, and can only be restored by renewing the iments.-- Anon.

For the New England Farmer.

TRIAL OF MOWING MACHINES.

farmers the result of my experiments with it.

was lodged, with much old stubble at the bottom; the thumb and finger. the machine became clogged in going a few rods. It was then cleared and tried again and again, with my observation of the effects of this insect

in such grass.

to inform the company that the machine would poses, now that the curculio has possession of the not work in such grass. I then took of the agent ground. for selling the Ketchum machine, one of his on trial; tried it the same day, in the same grass, word of encouragement, except by reference to and it worked to my entire satisfaction—it cut the early promise that man was to have dominion the grass close and smooth. After this, I was in- "over every creeping thing that creepeth upon formed by the agent for selling the Manny ma- the earth," and to a faint hope that "man" may chine that by attaching the reel to the machine, yet perceive that his "mission" is rather to subit would work well, and to my satisfaction.

would work well, and to my satisfaction.

The mayor, some of the aldermen, and several

A neighbor who succeeds in raising large crops about two tons on an average per aere.

are, to some extent, formed by the action of dif-reel, and it became clogged in going a few feet; ferent particles of earthy matter upon each other, it was cleared and tried again and again, as at when brought into contact, as done by hoeing first, but with no better success. The Ketchum Water acts as a solvent of other substances, and machine was then tried and worked well, giving holds them in solution so that they can be taken decided satisfaction to those present. One of up by the roots, and made to nourish the growing Manny's machines was then tried, with the reel plant. This is the reason why it is best to sow attached, but with no better success. It was or plant seeds as soon as possible after the land then frankly acknowledged by the agent that the has been plowed or harrowed. The different par-machine would not work in such grass in its ticles of matter coming together, form new rela- present construction. The Ketchum machine tions and produce a chemical action, during which was purchased by me at this last trial for the use heat is evolved, and oxygen and hydrogen are of the alms-house farm, in this city. The last generated and caused to unite, and form water, trial, above named, was on the 29th of June, last

New Bedford, July 5, 1855.

For the New England Farmer.

APPLE?

It certainly does. I have repeatedly eaught it chemical action. This can be done by applying in the very act, as for several years I have been some compost manure, or by hoeing or stirring watching with much anxiety the operations of this the earth, so as to bring different particles into insect upon my own fruit, consisting of some contact with each other and forming new com-binations, and consequently, thus producing a orchard set out in 1850. And I have often ex-further supply of nutritious matter. Corn, that pressed my fears that unless there is some check is hoed every two or three weeks, will come to upon the operations of the curculio, it will soon maturity sooner, produce more, and be better be as difficult in my section to raise either apples filled on the cob, than it will when treated in the or peaches as it now is to raise plums. For the usual way. We would recommend to our far-last six years, nearly every apple of the few gathmers to select two or three rows in the field, and ered from my scattered trees has been more or hoe it regularly once in two or three weeks, and less deformed by the punctures of the curculio. in the fall inform us of the results of their exper- Even the fruit of an unusually sour and crabbed "Native" has been as badly used as the more valuable varieties. Indeed, I noticed last year, what I thought a little strange,—that the fairskinned Porter grafted into an old tree with several other varieties, was much less hacked than Gentlemen: — Having seen an article in your the other kinds. My young trees have borne a paper, copied from the Telegraph, giving an acvery little fruit for three years past, but I saw count of a trial of mowing machines at Dedham, nothing of the curculio among them until last and which report seems to convey the idea that year, and then in but two or three trees. This Manny's machine was generally considered the year I believe their marks are to be seen on every best, and learning from an eye-witness that the tree that has set any fruit. I have spent considgrass was rery light, I write to give my brother-erable time in jarring the scamps upon a sheet, as recommended in ease of plums, and have bad the My first trial was in clover, a portion of which satisfaction of grinding scores of them between

until I became satisfied that it would not work upon the apple. But as it "stings" my peaches as well as apples, I should not expect any great I then informed the agent for selling, of whom advantage from cutting down the apple trees and I had previously purchased it, and requested him setting out peach trees in their place, as he pro-

As to remedies or preventives, I have not a

practical farmers, had an invitation, and were of plums informs me that he has tried all such present, to witness the second trial of the two prescriptions for the soil, as salt, lime, ashes, &c., machines, which was in an old meadow, that cut and found them utterly inefficacious for the destruction of the eurculio, and that he now de-The Manny machine was first tried without the pends mainly upon his thumb and fingers. Last year I cooped a hen and brood of chickens under the noble destiny of man. His "Wall Street" an apple tree in the garden; but I jarred upon is the field of noble toil and honest gain. His is

For the New England Farmer.

CITY AND COUNTRY LIFE,

Mr. Editor:—Real life in city or country can only be measured by actual residence and positive experience. While a city life presents its daily changing phases, its Babel tongues, its con aggeration, or to overdraw the picture. Whatfused, heree commotion-country life leads on to ever deductions may be made, let the candid inquiet, sweetened with the genial breeze, far quirer decide what is the difference between away from the great cess-pools of vice, the mind city and country life. rallies with new hope and contentment in its allotted home.

Why this itching for city life? Is it for riches, so easily gained, and so suddenly lost! Is it the millinery and fancy trappings of life that so fascinate us! Is it to witness beggars by smoke and confusion, that we so love! Is it to pro tem. meet with better, or more chaste society! Is it; to improve and elevate our morals? Is it because cussion to be, The Winter Management of Stock, we are beset with less danger! Is it the safer and having been appointed to open the discussion, playhouse for our children! Is it that less of he proceeded to remark that he considered the thieves, burglars, lewd and laseivious nature, rearing and management of Stock of great imporshall meet us at every corner? Where will such tance to the farmers of the county. The kind of like questions end?

with the one idea—"how do they all live?"

us look through the bars and see what there is regularly through the feeding season; had obinviting in country life.

air, the bird that sings us to sleep at evening, portion the daily quantity so that it should be and awakens us in the grey of the morning, the equal through the feeding season.

meshes of city confinement. by dirty boots, (a daily occurrence in Broad-all his fodder in the barn except some that is very

whose city occupation in rainy days is to stand calves fed upon this had made as much growth as with bare, beef-red feet, ankle deep in cold mud, upon milk. there no tears for this ragged child?

While the merchant madly or even cautiously out. pursues his work of gain, 95 per cent. of his we did not understand whether Mr. Gates adnumber fail of success. Not so with the far-ded meal of any kind to his straw and hay; but mer,—he rarely fails; inspired with the breeze conclude they get a dusting from the meal bag. that waves his corn and freshens his soul with James Walker, Esq., of Belford, remarked

the sheet as many curculios from that tree, as not the interest of usury, not an insidious specufrom the others without the chickens.

Winchester, July, 1855.

S. r. lating scheme to entrap his neighbors, and bring their children to want. No "fancy stocks" are jobbed at his farm. He deals in a substance, wrought out by the plow and the sickle. His "broker's office" is the leanto and the sheepfold, where the *fleece* is nurtured and matured for honest humanity, not to impoverish and starve his neighbor by *fleecing* his pockets.

In stating the case, it is without desire of ex-

Brooklyn, L. I., June 16.

FARMERS' MEETING AT HILLS-BOROUGH BRIDGE.

The President being absent, Col. Hiram Monscores who are sure to make their professional roe, of Hillsborough, one of the Vice Presidents, calls about breakfast time! Is it to be jostled took the chair. The meeting was organized by by the multitude, the thunder of carriages, dust, choosing Brooks Shattuck, of Bedford, Secretary

The Chairman announced the subject for disstock kept, the care, food and manner of feeding, In this mass of all nations, in this multitude, should claim his attention; thought cattle should with and without occupations, we are overwhelmed be fed at regular intervals—considered that roots were of great benefit to cattle, fed in connection But not to penetrate city life any longer, let with dry hay; that roots however should be fed served that when he had fed them a part of the The larch tree in the forest—the sweet bloom winter, and then discontinued them, cattle seemed of the orchard, the clover-head that sweetens the to derive little good from them; he would pro-

"babbling brook," the waving wheat-lield, the farmer's new hay, the vernal breeze with its one good hay, and to the other a few carrots in "balm of a thousand flowers," how they enchant the uneaged bird when thrown from the that had the carrots had made more flesh and was much the best through the next season.

There, we meet no "fashionable" silken trails, sweeping clean the side-ways, to be trodden upon 10 o'clock A. M., and ties up again at 2—feeds

poor. There, the little girls wend their way to school in comely attire, perchance to worry a butterfly, der to get a good animal, the foundation must be or disturb the "Quaker Grasshopper" in his laid the first year; he had been successful in reardusty nook. What rural, charming, child-like ing calves without milk, by giving one-third barsports, compared with her little ragged sister, ley to two-thirds oatmeal made into a porridge;

sweeping the cross-walks for gentlemen's clean Mr. Gates thought much benefit was derived boots, and as they pass she says, reaching out her from cutting the folder fed to cattle; he had kept hand with an upward, imploring took, "please give a horse through the winter on out straw and hay me a penny, sir," and too often, is the cold, cut and well mixed to either, the nett cost of heartless response—"get out of my way." Are which did not exceed ten dollars, exclusive of the labor of preparing the food, and of feeding it

hope, satisfied with moderate gains, he dignifies that he had paid much attention to the rearing

lay the foundation for a good animal during the likewise bore well; he saved some of the squash first year; this he would do by giving the light-seeds, and planted them a year ago last spring, or part of the milk, or that which remains after they came up in appearance summer squashes;

parsnip was much the best root to feed out to a pumpkin. He planted the seed from these last stock; that cattle should be tended regularly spring, and the product was diminutive in size and treated kindly; that bedding down at night and poor in quality. Hence he contended that

cattle remain out late in the afternoon.

mammoth size and length, and indicate that instead of better. friend Walker has taken advantage of the quite recent discovery that we farmers have a farm Deering, Morse, of Francestown, and Shattuck

under a farm.

B. F. Cutter, of Pelham, said that he had not paid much attention to the raising of stock; but sented to Mr. Cutter for his address, and a copy from reading and observation, he was convinced requested for the press. that much improvement had been made in relation to the kind kept, to food and general treatment; thought kind treatment of much importance, and placed much stress on regular feeding. Some milkmen in his vicinity were in the habit of keeping their cows in the barn through the

to go under in stormy weather.

adjourn until 2 o'clock.

when the chairman introduced to the meeting fifty dollars a year—a sum about equal to onc-B. F. Cutter, of Pelham, who gave a very in-half the whole expense of gathering in my crop. structive and practical address on Fruit Culture. I have generally found, when I have a fair gang

doubted the accuracy of this statement, it was an of the farm, I much prefer the conclusions of unquestionable fact that different kinds of vegethose who have been accustomed to labor with tables of the same species or genus would mix. their own hands." Mr. Wallace stated a fact that came under his own observation. Two years ago last spring, he planted some summer squash seeds which came up and flourished, producing abundantly; near member the proverb, "a stitch in time saves nine."

and crossing of stock, and like Mr. Gates, would to them came up accidentally a pumpkin which the milkmaid has taken a portion.

Mr. Walker expressed the opinion that the sembling in part a squash, about half as large as added to their comfort; he disliked to have his different kinds of vegetables of the same species, producing fruit from the blossom should not be Mr. Walker presented to the meeting a speci-planted near each other, especially if intended men of the parsnip that he raises; they were of for seed, lest the product should become worse

Remarks were made by Messrs. Prichard, of

of Bedford.

On motion the thanks of the Society were pre-

Brooks Shattuck, Sec. pro tem.

For the New England Farmer.

CUTTING OF GRASS

Mr. Editor:—I this morning heard a converentire day, and thought that by so doing they sation between two of my neighbors, practical, obtained more milk than where their cows rethinking men, a brief sketch of which I will enmained out a portion of the day.

Mr. Morris, of Hillsborough, remarked that although he was not a farmer, yet he had employed oxen and horses on heavy stone teams, "Next week, I think; my grass has thickened up and was satisfied that cattle would do more work much of late, and now promises quite a fair crop, and stand it better fed on cut feed, with meal added, than when fed on dry hay, with the meal given separately. He was acquainted in Caledonia County, Vermont, and had noticed there the meadows." Says A, "Why don't you get one of cross of the Devon with the best native, as excel-the mowing machines, now so much spoken of, by lent mileh cows; he had also noticed that farmmeans of which more than half the expense of
ers in the upper part of the State, were in the
habit of letting their cattle (young?) remain in
the yards during the night, having sheds for them
it would be to me any saving worthy of notice. In the first place, I shall have to expend between At this point in the discussion it was voted to three and four hundred dollars to obtain a machine, and a team to work it, as I have but one On meeting after the adjournment the discus-horse, the wear and tear of which, with the in-sion was profitably continued until 3 o'clock, terest on the cost, cannot be estimated less than After the address, Mr. Wallace, of Bedford, of hands, that I can get into my barn as many suggested by way of inquiry, whether the graft-tons of hay in the month of July, as they perform ing of different kinds of fruit near each other, or the grafting of good fruit near the common stock, two dollars a ton to get my hay. Then there is did not cause a deterioration in the quality of the so much uncertainty about the working of these fruit. fruit. He inferred that this might be the case machines, and the kind of machine to be prefrom the fact that the different kinds of the same ferred, that I have concluded to wait until the species would mix through the blossom. All had committees, who are investigating the matter, are no doubt observed this peculiarity in the mixture ready to report. How much more will then be of different kinds of corn; the same was equally known that can be relied on, will depend sometrue in regard to every other vegetable, some will mix at greater distances than others. Botanists mittee themselves. I do not think much of the harve of the control of the contr have given one instance at least where the pollen opinions of gentlemen, clad in kid gloves, of the had been carried twenty-five miles. Though he value of farm implements. As to all the labors

July 4, 1855.

Keep your implements always in order. Re-

For the New England Farmer.

REMARKS ON THE CURCULIO OR PLUM WEEVIL.

BY S. P. FOWLER.

I had thought it unnecessary to add anything more to what has been already published in the Farmer, in regard to the habits of the curculio, but as you have requested some one to reply to the inquiry of one of your correspondents in your amination to-day, of a May Duke cherry tree, I paper of June 30th, I will endeavor to comply discovered one maggot in every fifteen of the ripe with your request, and offer some general remarks upon the plum weevil or curculio.

The question put by your correspondent is this—"Does the curculio puncture the apple?" In reply, I would say, they not only puncture the plum, but the apple, pear, peach cherry, nectarine and apricot. I have also seen some of time of it, and probably but few, if any, escape our native fruits under cultivation marked by the curculio, particularly the June-berry (Amelandensis.) But it seems to prefer the rolling to any other fruits in which is a property to the fruits any other fruits and are literally devoured alive, meeting any other fruits and are literally devoured alive, meeting any other fruits and are literally devoured alive, meeting and are literally devoured alive, meeting any other fruits and are literally devoured alive, meeting any other fruits and are literally devoured alive, meeting and are literally devoured alive, meeting any other fruits and are literally devoured alive, meeting any other fruits and are literally devoured alive, meeting and are literally devoured alive, meeting any other fruits and are literally devoured alive, meeting and are lit plum to any other fruit in which to lay its eggs. In regard to the black knots on plum trees, my method for their removal is simply to cut them from the branches, when they first appear, and to deposit its egg in the tender terminal shoots of the plum tree, the same having been before no burn or otherwise destroy them; and should the treeties when they first appear, and the plum tree, the same having been before no burn or otherwise destroy them; and should the treeties when considering the same having t treatise, when speaking of the copper-colored it down. I also find some kinds of plum trees plum weevils of Europe. Doet. Harris, the distinguished entomologist, in view of this fact, has others, and such should be sought for and cultitruly and beautifully observed, that "we see the care of the Creator for some of the least of His is a hardy native, and less liable to the attacks of creatures, which he has wisely provided with va- insects or the black knots, which renders it desicreatures, which he has wisely provided with variable instincts, enabling them to accommodate Table for stocks for budding or engrafting upon. The tree thus becomes a dwarf in its habits, and themselves to the difficulties of the situation in which they may happen to be placed, and thus, even in unfruitful seasons, to provide for a succession of their kind."

The curculio is sometimes in the habit of depositing its eggs in those warty excrescences, incident to plum trees, which are probably eaused by disease in the sap or its vessels. This has led some persons to suppose that the black knots are caused by this insect, which I think is a mistake. This habit of the curculio or plum weevil in not vated grounds of Gen. S. on Monday afternoon, I confining its operations to the plum, seems to heard the elatter of a mower, and on examintion have been overlooked or not understood by many found that his men had just commenced cutting cultivators when they recommend the use of lime, ashes, snuff or other substances in dusting same that he used last season. It was drawn by the plum tree and its fruit. All the effect such a large pair of active, well-trained oxen. The a practice would have, would be to drive them work was completely done; as perfectly as it from his plum trees to other kinds of fruit trees could have been with seythes in the best experiin the neighborhood. Such a mode of procedure enced hands. The field contained four acres, and would probably give the timid curculio a fright, perhaps a dusty jacket, and cause him to change his quarters, but would by no means lessen his crops, and a few trees on parts of it, consequent-

depredations.

fare upon noxious insects should be more san-the fragments. The work went successfully on, guinary; don't spend your time in seeking to drive them away when committing their depredations, but seek some method to destroy them. you can fix it, mowing is hard work. Kill them, kill them, should be your constant aim and motto, at every period of their transforma-machines was put in operation the same day. It tions. My method in destroying the curculio has been, to pick up under the trees all the of the proprietor, that he made up his mind to wormy plums as they fall, and throw them into return it. Another gentleman, who successfully a mill-pond. Other means can be used to destroy operated one of Ketchum's machines the last scattle larva in the fruit, such as steaming them, or son, put it in motion the same day,—but had not putting them into a barrel partly filled with water. proceeded far before it gave out by breaking two If this method of gathering up the wormy fruit of the cogs in the small wheel, rendering city reand destroying the grub be frequently practised, pairs necessary. Thus endeth the first lesson of

during the months of June and July, it will greatly lessen the ravages of the curculio. The nimble fingers of children will aid us here, in accomplishing this work; I would say in this connection, I use the same means to rid my grounds of that other pest to fruit-growers, the apple-

The number of cherries punctured by the curculio is greater than I had supposed. Upon exfruit to be found. Cherries ripening early never fall like other kinds of fruit when punctured, and there is no visible appearance of the worm. And as few persons make two bites to a cherry, and are unconscious of the grub within the fruit. they, the grubs, must have a hard and perilous

In regard to the black knots on plum trees, my is the more easily protected from the curculio, and reached when applying the knife to the warts or knots.

S. P. FOWLER.

Danvers-port, July 4, 1855.

For the New England Farmer.

MOWING MACHINES.

Mr. Editor:—As I was passing the fine cultily the services of two men, with scythes, were Now I would say to the cultivator, your war-needed to clear away at the ends, and to pick up

On a field near by, one of Russell's one-horse

have seen accounts of holiday experiments at out. Public sentiment should demand it. place—but what we want to know is, are the master garden rake, and cleared out the loose chines so constructed, that real farmers can find stones. It was a small job, and brought great it for their advantage to purchase them and do comfort to all. I thank him here for his considthe work upon their farms! That they can be eration. made so as to cut and spread the grass perfectly where there are no obstacles in the way, has prosperity of a community by the roads they traoften been demonstrated, but what kind of ma- vel! I think so, and go in for elevating the stanchine will do this best, remains to be proved. dard in our good town.
We have the experiment now going on, will ere Concord, N. H., July, 1855. long do away with all doubts in the matter. One of the greatest difficulties in the way of just determination is, the want of good fidelity in the structure of machines. When the cheapening process begins to be introduced, then the reliable character correspondingly disappears. July 11, 1855.

For the New England Farmer.

HIGHWAY WORK.

This generally came along in midsummer, when to thirty cords to the acre in thirty years. the roads were as dry as meal, and the less done on them the better.

eller dreaded to come upon such a piece of mend-mous. ed (!) ways. It was a sore spot for a long time.

It was a fortunate year for our district when my neighbor Goodman was surveyor. We had the roads in trim that year, let me tell you. He commenced in March. He opened the watercourses, and drained the deep ruts of the floods of erlasting hills.

the roads in the United States. It is a little of the scenery. harder filling it than the yellow dirt beside the with a two-fold advantage.

moving by machinery in the natural way. We stones in the road. They ought to be kept raked West Chester, at Dedham, at Hadley, at Spring-member that dry summer how vigilantly Goodfield, &c.,-all of which are well enough in their man went over the roads again and again, with a

> Is it not safe to judge of the intelligence and W. D. B.

WOOD LAND.

Fifteen acres of wood and timber land will furnish a farmer his ordinary timber and wood for two fires. Ten cords of wood suffice for any man to keep two fires the year round, provided he has tight rooms and good stoves. We have kept two fires, since the first of November, in two large rooms, and have not yet burned three cords of wood, and we can assure you that we like a good In Concord, Mass., the highway tax is paid to comfortable fire. The farmer should commence the collector, as are other taxes. Formerly it on one side of his lot, and cut the wood clean as was the custom to have the taxes worked out, or he goes. In this manner the young shoots come stood out, as some said, and many did. up alike, as they receive the sun alike. Now By the present system, the person who has say there are thirty cords of wood to an acre; charge of the roads in a certain district may com- if he cuts ten cords of wood a year, it will take mence his repairs on the highways as soon as the him three years to cut off the wood of a single frost is out of the ground, and cart his gravel so acre, and it will take him forty-five years to cut that it will settle immediately, and make a fine the wood off from his lot of fifteen acres. At road at once. When A, B, and C, had to be the end of forty-five years, he may go back to ealled upon, the book must be first prepared, so the first acre he cut, and cut thirty cords to the that the surveyor could tell what taxes were due, acre. On our ordinary upland, wood will grow

Thirty-four years since, we recollect of assisting in clearing fourteen acres of wood land, and It seems as if all could see the great economy getting the same into winter rye. After the crop of the present arrangement. The intelligent surformed for a veyor hires his two good men, takes team enough year or two, and then suffered to grow up. The and the right tools, and works when and where growth was white oak, yellow oak, red oak, it is needed. Before, we used to have at times a chestnut and maple. Seven years since, that great party out. The roads would be plowed up same rye field was cut over, and there was not a at the sides, and then men strung along to shovel single acre of it but produced thirty cords to the the rich loam or sand into the ruts. The tray-acre! And this in twenty-seven years!—Anony-

For the New England Farmer

TO OWNERS OF OAK AND PINE SHRUBS.

Editors of the Farmer:—One word of sugstanding water which helped the wheels to wear gestion, if you please, to the owners of the small down continually deeper. He then carted coarse patches of oak, walnut and pine shrubs, which gravel, and filled the ruts with shovels from tilt-are seen so frequently on the borders of Massa-ed carts with great dispatch. The gravel stuck chusetts villages, on the plains, and the declivi-in the wet ruts, and soon became firm as the ev-tics of the hills. These objects, which now strike the eye so disagreeably, however small and un-There is gravel enough in our district for all couth, may be made the most attractive feature

In proof of this, let me give you my own exroad, but Goodman said nothing but the best of perience. I owned, four years since, within a gravel should be spread on the road, if he went short distance from this village, about six acres half a mile for it. Nobody ever before discovered of the most unsightly land in the neighborhood, that several high ridges in the very roads them-a mass of rocks and stumps, shrub oaks, shrub selves were excellent gravel, and could be removed pines and shrub walnuts. By trimming away in the beginning all the shrubs except one upright Mr. Brown, nothing disturbs my spine and tem-shoot, and digging all the old stumps away, I per more than to go jolting over loose cobble-have a young grove to beautify rather than dehave seen larger and smaller patches of the same one was seen in any other year. priving themselves and their neighbors of one of appeared less plenty, as though they were run

No one will require to be shown the comparapay any attention to it in that year, I do not tive cheapness or attractiveness of such a grove know whether they appeared or not. There over one where the trees are transplanted; and was a piece of wood land in Easton, near Colonel will ask, Of what use is the fitting up of retreats peared in the above years. for poets or moon-struck gazers at bewitching. The fact that these locusts appear in one part nature, to the hardy tillers of a soil which yields and another of the country, in years differing a meagre return, when it receives every moment from the above dates, is no argument that they of time and every effort of skill! Objections of do appear oftener than seventeen years in those this kind do not now require to be answered, if various places, as all accounts agree that they apever made, and attention is directed, by all pear every seventeen years in those various places, classes, to that which beautifies and adorns, as It is my impression that this subject has received well as to that which plucks from nature the ample investigation by a person qualified for the means of subsistence.

Yours truly, Natick, July 7, 1855. OLIVER N. BACON.

For the New England Farmer.

"SEVENTEEN YEAR LOCUSTS."

Mr. Editor:—In the Providence Journal, of the fore part of last month, is an article with the above caption, in which the writer doubts that there are any "seventeen year locusts." The Journal into the "Treatise on Insects," by T. W. Harris, says: "The lovers of the marvellous may not thank us for destroying a venerable illusion, but lature of Massachusetts, and there, on page 178, truth compels us to state that, according to the find his description of this seventeen year locust, best etymological authority, no sneh peculiar insect as the "seventeen year locust" exists. Logerred. They were first described as appearing eusts are found in more or less abundance every in Plymouth, in 1633. The tenth time of their year, in different parts of the country; but the appearing from that date, would bring it down idea that there is a variety or species, which ap- to the year 1803; but it appears that Mr Harpear at regular intervals of seventeen years, is ris, in his book above alluded to, states that they unsustained by facts.

what "facts" in the case I happen to possess. I riod of seventeen years was allotted them. Mr. was born on the 18th of January, 1790, and in Harris says: "Circumstances may occasionally 1802 there appeared, in a certain wood-lot, about retard or accelerate their progress to maturity; a mile and a half from where I then lived, and but the usual interval is certainly seventeen do now, what were called the seventeen year lovers. I heard it talked about, a year or two before they appeared, that the year 1802 was to on page 181 of Mr. Harris' Treatise, it appeared. be the locust year. Well, June came, and also, pears that they appeared in Sandwich in 1787, about the tenth of the month, the looked-for locusts, in great numbers. In the midst of their 1855, is locust year there. Have you, Mr. Editors, in great numbers. greatest display and profusion, we could plainly tor, some correspondent in Sandwich who will hear them sing, in a calm forenoon, although a give an account of this matter? Also, whether mile and a half distant, in a straight line. I they did not appear in the year 1838? recollect going to see them, accompanied by my father, and carrying a basket and bringing home some two quarts of them; most of them we let being in preparation on the subject discussed in just seventeen years after, some few appeared above. Will some of our Sandwich friends grating the said was a few appeared. in the said woods where we had let them go, none ify us by giving a little attention to this article? having been seen or heard there before, as I was informed.

peared in 1802, they also appeared in 1819, just no more fertile than old land—but drawing much seventeen years after, but not quite so numerous of their nourishment from the atmosphere, and as they were in the former year. They were, decomposition taking place on the soil, the plant however, pretty numerous, and we could hear not only returns all it gets from the soil, but also them sing the like distance that we did before the fertilizing ammonia and carbon it receives There were a very few the year before and the from the atmosphere.

face the surrounding lands, and to afford a pleas- year after those dates, as though they made a ant retreat for an hour from dust and fatigue. I mistake of one year in their calculation, but not

description of land, and I longed to say to the In 1836, seventeen years after the last date, owners of them that they are thoughtlessly de-they were also seen in the same place, but they the richest enjoyments of life, and the country of ning out and becoming extinct. The last year of its least expensive and most desirable ornament, their appearing was in 1853, and, as I forgot to thanks to your paper, and such as yours, no one Shepherd Leach's Iron Foundry, where they ap-

> task, and who, on the eve of publishing a book upon the subject, solicited information from all parts of the country on the subject. I have not seen the book, and have forgot the name of the author or his place of residence, but am inclined to think that he fived in Philadelphia. Can you inform me about such a book?

Most respectfully yours, ISAAC STEARNS. Mansfield, Mass., July 4.

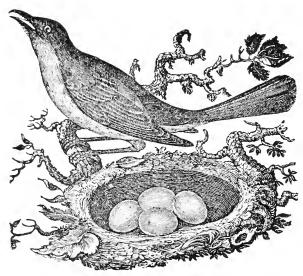
appeared in Plymouth, Sandwich and Falmouth, Now, Mr. Editor, will you allow me to state in the year 1804, instead of 1803, if the exact pe-

If all the nourishment for plants came from In the woods first alluded to, where they ap- the soil, the soil of newly cleared land would be

THE CAT BIRD.

It is altogether too common among our people and inviting, though forbidden cherries." to complain of the hardness and poverty of the soil, of the rigor of the climate, shortness of the speaking of singing birds, leads us very naturally spring and east winds. Another class, who are to another of our accomplished singers, the livetarry-at-home travellers, and who sit slippered by and imitative Cat Bird, second only to the and cushioned in easy chairs, and read of Italian Mocking Bird himself. For the benefit of the skies and tropical birds, declare that no brilliant grumblers, those to whom all is barren and unsunsets adorn our western skies, and that we have lovely in our climate and skies, forests and fields, no birds of beautiful plumage or of exquisite we give Wilson's graphic and just account of the song. The Bob-o-link is but a vulgar grub-catch- Cat Bird. The engraving is a capital illustraer, and the Baltimore Oriole, or Golden Robin, tion. but an arrant cherry-stealer, and fit only to be shot by roving boys.

rare bird upon one of our cherry trees on the whence, as early as February, they arrive in morning of the eighth of July. He was nearly Georgia. About the middle of April they are just



the size of the Golden Robin, bill robust, like the late twilight of a summer's evening. Buntings or Grosbeaks, wings jet black, and the When searce another note is heard, but the ciently to describe.

convinced that this beautiful bird is the Scarlet ing, the variety of the song declines, or he pur-Tanager, and the first we have ever seen, though sues his employment in silence and retirement. we are told by the neighbors that he is occasionjects him, he seems to avoid remark, and is only premises. solicitous to be with his humble mate, and hid from all besides. He therefore rarely approaches construct its nest some time in the month of May. the habitations of men, unless, perhaps, the The situation in which he delights to dwell, is

er, builds his nest, and takes a taste of the early

Seeing this beautiful and familiar bird, and

This quaint and familiar songster passes the winter in the Southern extremities of the United These remarks were suggested by observing a States and along the coast of Mexico, from

> seen in Pennsylvania, and at length leisurely approach this part of New England, by the close of the first or beginning of the second week in May.

The Cat Bird often tunes his cheerful song before the break of day, hopping from bush to bush, with great agility, after his insect prey, while yet scarcely distinguishable amidst the dusky shadows of the dawn. The notes of different individuals vary considerably, so that sometimes his song, in sweetness and compass, is searcely at all inferior to that of the Ferruginous Thrush. A quaintness, however, prevails in all his efforts, and his song is frequently made up of short and blended imitations of other birds, given, however, with great emphasis, melody, and variety of tone; and like the Nightingale, invading the hours of repose in the

breast and back a rich earmine. The color of the hum of the drowsy beetle, his music attains its bill and shape of the tail we could not see suffi-full effect, and often rises and falls with all the swell and studied cadence of finished harmony. On reference to Wilson's Ornithology, we are During the heat of the day, or late in the morn-

One of the most remarkable propensities of the ally seen in the woods in this vicinity. Wilson Cat Bird, and to which it owes its name, is the unsays, "With the shy, unsocial, and suspicious hab-|pleasant, loud, and grating cat-like mew, which it its of his gaudy fraternity, he takes up his abode often utters, on being approached or offended. As in the deepest recess of the forest, where timidly the irritation increases, this note becomes more flitting from observation, he darts from tree to tree hoarse, reiterated and vehement; and sometimes like a flashing meteor. A gaudy sylph, conscious of this petulance and anger are carried so far, as to his brilliancy and the exposure to which it sub-persecute every intruder who approaches the

This common and abundant species begins to skirts of the orchard, where he sometimes, howev-commonly a dark thicket in the woods, or close

bush in some recluse part of the garden, at the distance of five to ten feet from the ground, according to the convenience of the situation. The materials are coarse but substantial; the external part is commonly made of small interlaced twigs, old grass, and dry leaves; to these succeed thin strips of bark often of the red cedar, somewhat agglutinated. The inside is lined and bedded with black root-fibres of ferns; other accidental materials sometimes make a fantastic part of the fabrie. One has been known to carry away an edging of lace which was missed, and at length again recovered after the rearing of the brood, whose dainty bed it assisted to form. I have frequently found in the external coat of the nest the cast-off skins of snakes, more rarely bits of newspapers, wood shavings, strings and bass mat strips. The eggs are four or five, of a bright and deep emerald green, and without spots. The food of the Cat Bird is insects and worms, particularly beetles, and various garden fruits; feeding its young often on cherries and various kinds of berries. Sometimes they are observed to attack snakes when they approach the vicinity of their brood, and commonly succeed in driving off the enemy; when bitten, however, by the poisonous kinds, it it is probable as related, that they may act in such a manner as to appear laboring under the influence of fascination.

TOADS.

A correspondent of the Cambridge Chronicle puts in a plea for toads, and justifies his partiality by the following, which we extract from his communication:

"We have in our garden a small nursery of plum trees, which have been nearly destroyed by the canker worms. Last season we commenced shaking them off. One day we observed many toads about these trees, that on our approach became frightened and retreated in great haste to turnips, are generally given. Charcoal, in a pultheir retreats in the neighboring bushes. Soon finding that they were not pursued, they commenced hopping back, and caught with avidity each canker worm, as it descended on its tiny We counted at one time thirty immediately round our feet. Day after day we fed them other description of food. Its value for this purwith their favorite food, and they became so tame as to follow us, watch our hand, and take the worm from our lingers.'

—looks are nothing, behavior is all.

THE GOOSE.

The goose, with the duck and swan, form a distinct family of the feathered aquatic tribes, (Anatidæ,) and is distinguished by web feet and a flat bill. The domestic goose is derived from the native wild goose, which still frequents in vast numbers the more solitary inland lakes and streams of the American continent, and which is known to ornithologists and naturalists by the appellation of the fen or stubble goose. In its state of domestication it still retains its aquatic character and habits, plunging eagerly into water, and, when permitted, living mostly on its surface. In favorable localities, where there are marshes or fens abounding in pools, the rearing of geese is very profitable, as they will in such situations obtain their own living.

The goose is remarkably hardy, subject to few diseases, and lives to a great age. It has been ascertained that the female goose, if well tended, will generally lay from seventy-five to one hundred eggs yearly, sometimes one hundred and twentyfive; but this depends very much upon the care and attention bestowed upon them. These eggs, if set under hens of large size, capable of covering five or six eggs each, nearly the whole number, may, with the assistance of the goose, be hatched. The best feed for goslings during the four or five days immediately after hatching, is barley or out meal mixed with milk. Water and a very little sweetening, may be used as a substitute, when milk cannot be obtained, or when from its scarcity it is too expensive. In about one week after their enlargement from the eggs they will commence growing; they should then be permitted to go out, but not till the day has become somewhat advanced, and should be taken up before sunset. In fattening geese, Indian corn meal, and chopped vegetables, such as potatoes, beets, (boiled) cabbages and verized state, is also excellent for fattening, and, in some instances, these fowls have been fed exclusively with it for weeks, and are said to have taken on fat more rapidly than when fed on any pose was first discovered accidentally; a family in New York, having left the city on a protract-This is new to us, though it may not be to ed absence of several weeks, without thinking of many of our readers; but whatever taste the toad several geese which had been incarcerated for may have for canker worms, we are quite sure some purpose in a loft where there was nothing troying earth worms, of which it eats large num-We once tried to surfeit a toad with earth ing, they were disappointed in finding their worms, but our patience was appeased, and we aquatic friends of the loft in most admirable have always held that to destroy one of those dis- health and condition, and the charcoal nearly gusting looking reptiles was doing one's grounds exhausted. They had partaken of nothing else a deal of injury. There is no charge brought during the long period of their confinement, and against the toad but its disagreeable appearance, the fact being circulated and published in the and it might well quote the old saw to those who despise it without seeking to learn its real value journals of the day, gave rise to the practice of Isopplying these fowls with the article while undergoing the fattening process, and which has dropped, and the animal continued to grow worse.

For the New England Farmer.

POISON OF CHERRY LEAVES.

Mr. Editor:—Farmers are generally aware, I

of the 4th, gave every manifestation of high vigor, growing rapidly, and being full of fun and The trees, meanwhile, had not been ascended for the purpose of picking the cherries. A week or more ago, however, the children began to get up into the trees after the fruit, and, in doing so, often broke off and dropped on the lying about on the grass in several places; but I manner equally sudden, and, if any thing, more never observed the calf eating them, though I inexplicable. Does wind, as some say, ever occasaw it, once or twice, strip off and chew little sion death in calves?

Respectfully yours, pieces of bark from the boles of the trees. Meantime, I was teaching it to eat by putting pieces of carrot, sliced thin, into its mouth, and by givhad occurred. For several days the calf had been drop, its droppings being more like a sheep's ought to operate as a caution to all, not to let than those of a calf. Still, no suspicion of the their cattle have access to cherry leaves. cause had presented itself to my mind, and I felt

On the evening of the 4th, as has been stated, indications were observed of an alarming nature. Then, for the first time, on being led to the barn, the calf manifested no disposition to play, but

now become common and almost universal in On the evening of the 5th, additional advice from every part of the country where geese are raised another more experienced person was sought; and fattened for the market. Not only the goese and fattened for the market. Not only the goose, month and gritting of the teeth, pronounced the but domestic fowls generally, are greatly benefited by it. of the dangerous nature to cattle of cherry leaves. He administered, that evening, as much as he could get down of half a pint of lamp oil, and again about the same quantity the next morning, (the 6th.) No effect appearing, in about an suppose, of the poisonous effects of the wilted hour's time I gave another injection of warm leaves of the wild cherry, which are said to be, water and soap, which produced a few hardened if eaten in any quantity, invariably fatal to cat-droppings, but no effectual relief. It may be the—or, at least, no remedy effectually neutralizing those effects is known among us here. But
of something like "motorpathy" in this case, as,
has it heretofore been known that there is danger, also, from the wilted leaves of the English,
or cultivated cherry! A piece of experience I
same time, aid the operation of the physic, by
have just had and which has considered as a sently working the abdenue with my hard. have just had, and which has occasioned me no gently working the abdomen with my hands—an little disappointment, looks that way certainly, operation which, in cholic, in the human species, I was raising, this season, a very fine, promis- is often highly efficacious. The difficulty, howing heifer calf, nine weeks old last Monday, half ever, had got too far to be removed, though I Alderney and three-eighths Ayrshire, every mark think some effect in the way I intended was proupon which was good. For convenience of shade duced. Nature was now nearly exhausted. In and to nibble the grass, unsuspicions of danger, a short time the poor creature began to tremble I kept it tethered for some weeks, during the violently, then to move round and round, as if day, under some white-leaved cherry trees, in the tipsy and crazy, moaning piteously, knocking its front yard, where it became a cosset and play-mate with the children, and, until the evening its way, and finally dropped down and expired. After death, the body was not opened, as I could find no one willing to do it. It soon began to bloat, and, as soon as could be conveniently, it was buried.

Now, Mr. Editor, does it appear clear to you, from the above statement, that the wilted cherry leaves, which the calf probably ate, were the ground the little spurs on which clusters of chercause of its death? Or was it something else, as ries had grown. These spurs, with three or four others still assert? I have heard of the death of leaves on each of them, for some days have been two or three calves in this town, this spring, in a

Bolton, July 8, 1855.

Remarks.—From the above statement, we have ing it, occasionally, bits of young fodder-corn, no doubt, whatever, that eating the energy cares (Stowell's evergreen.) But one symptom, of was the cause of the sickness and death of your which, no doubt, I ought to have thought more, favorite calf. Similar cases have been occasionnoticed very costive, straining and showing considerable uneasiness whenever it had occasion to years. This clear narrative of facts, by R. S. E.,

For the New England Farmer.

THE BUTTONWOOD TREES.

We have noticed in this section, this season, moved sluggishly. That evening it sucked a very that the buttonwood, or buttonball trees, are little, leaving most of the milk in the bag. The more or less diseased. They began to leave out next morning, though manifesting some wish to as usual, and after the leaves were about half out get to the cow, it did not suck at all, but it poked they began to dry up, so that some three-quarters its head about its dam's legs, and repeatedly put of the leaves are dead. A few leaves on the top its mouth to the teats. Symptoms of partial and outside branches are yet fresh. Trees of all blindness were also indicated. Advice was called, sizes, from three inches to a foot and a half in dian injection of warm water and castile soap ameter at the bole, are alike affected here. Occagiven, and castor-oil administered; but the effect sionally we see a small tree that has escaped as was slight; only a few hardened faces were yet. Some fourteen or fifteen years ago, these

tions, we know not as yet.

Yours, &e., June 21, 1855.

L. Durand.

GAS WATER FOR MANURE.

The lime used in purifying gas, and which is known by the appellation of "foul lime," is now extensively used as a fertilizing agent, and with excellent success, on most field crops. The gas waa certain extent, the characteristics of hydro-sul- with about the same result. phuret of lime. It contains at first, in a state of combination with it, a certain portion of ammoly, however, exposure deprives it of its ammonia, may be applied to vegetation in the same manner as gypsum, or used as an ingredient in compost. In either way it will prove a very efficient and salutary fertilizer.

ANALYSES.

The following table exhibiting the various constituents of several important products of the soil may not be uninteresting :-

	Wheat Straw.	Barley Straw.	Oat Straw
Potash		3 ¹	15
		1 ·	
		101	
		1½	
Alumina	23		
		}	
		2	
		3	
Chlorine	1	1}	
Total	100	100	100

Corn contains, potassa, 20.87; phosphorie acid, 18.80; lime, 9.72; magnesia, 5.76 per cent. Grass abstracts from the soil no potash. It contains, carbon, 45 per cent.; hydrogen, 5; oxygen, 38; nitrogen, 12, and ashes, 9 per cent. so large an amount of potash as the pea—i. e., tageous modes of application? (a.)

trees were affected we think more or less through the haulm or vine. It has been ascertained by the country. Many of them died out entirely, accurate analysis, that the quantity of this con-while others recruited again the next season. 1 stituent is 53 per cent. The pen therefore, think some nine or ten years ago, also, they were stituent is 53 per cent. The pea, therefore, affected in this section, in the same way. Wheth- where the haulm is rigidly economized and dier the disease this season appears in other sec- rectly returned to the soil, must be contemplated in the light of an ameliorating crop, and one, the systematic cultivation of which would add millions to our agricultural wealth, and prove ultimately a most potent auxiliary in the resuscitation of the soil.

EXTRACTS AND REPLIES.

GUANO-OLD BONES.

I have read much in the Farmer about guano. ter, another waste or refuse article produced in many of the farmers think that it does not pay, the process of manufacturing gas, is also an ex-but I think it pays well on my farm. I applied cellent fertilizer, but should be used with great 550 lbs. on an acre and a half of worn-out (light) caution. It is an aminoniacal liquor, and if ap-land, without any other dressing, and planted it plied to a surface in grass, will apparently scorch with corn. It was injured very much by the part drought, but I harvested 68 bushels of good cars and burn up the herbage, although the next of corn, and 20 bushels of cars of small corn, year the spot on which it was applied will be which was worth at least half-price of good corn, distinguished by great luxuriance and vigor of making 88 bushels of ears. Allow two bushels development. The refuse lime, through which for shrinkage, and two bushels of cars to make a the gas is made to pass in order to purify it from corn, which is worth now at least \$1,25 per bush-the sulphurated hydrogen, becomes impregnated el; making \$43,75 worth of corn. I applied it bushel of shell corn, and I have 35 bushels of shell with this article, and assumes in consequence, to to other lands for corn, potatoes, oats and wheat,

I read in the Farmer a polite invitation for farmers to experiment with old bones and horse manure. I will give my experiment, and should nia, but as the carbonic acid gas of the lime co n-like to here the result of others through your cobines with this article, it is converted into car-lumns. Last spring I made a layer of horse mabonate of ammonia, or volatile alkali. Ultimate- nure about ten inches deep, a layer of bones, and a layer of wood-ashes sufficient to cover the bones, and none of it will be found in the lime. Foul, well with swamp mud, and let it lay about six and after the heap was finished, I covered it over or refuse lime, is very repugnant to most insects, weeks, when it got so hot I thought it best to and to some is almost instantaneously fatal. It move it over. I found the bones about two-thirds dissolved; I covered it again with the mud that had been taken off, and let it lay six weeks longer, and shovelled it over again; I found that the bones had not dissolved any since they were shovelled over the first time. Whether it was owing to moving them, or to the dry weather, I cannot B. W. GAY. tell.

New London, 1855.

COAL ASHES-CHIP MANURE-LIME.

Messrs. Editors:—I take much interest in farming. In fact, I may truly say I love it; but I know but a little about it, and that little more in theory than in practice. My business is merchandizing; still, if every thing should go to my liking, I may, at some time in the future, know more of it practically than at present. Oceasionally, now, I steal away from other duties, and seize the hoe. This is my pleasure, my recreation, my "hobby." It is said that all men have their "hobbies," and mine, perhaps, is as innocent as any that can be selected.

Being a "know-nothing," so far as farming is concerned, allow me to ask for some information,

that I may know something.

Are coal ashes of any value to apply to land or There are few vegetables which contain, probably, vegetation? If so, what are the most advan-

Which is the cheapest and most advantageous fertilizer for sandy land, house ashes that are out of a bushel you can scarcely find one free from good, at 15 cents a bushel, or a good load of the curculio worm. Could these be gathered up

Which impoverish the land the most, potatoes his species would be lessened.

or corn? (c.)

Is chip manure, mixed with barn-yard manure,

a good fertilizer! (d.)

What is the relative strength of chip manure, compared with barn-yard manure? Or, in other nose instead of the ears. words, will one load of the latter produce the same results as four of the former?

Would you recommend the use of lime to sandy and much worn soil? And if so, how many bushels to the acre? At 25 cents per bushel for good stone lime, would it be more advantageous or cut worm, upon flower and other roots." I than a good load of manure at \$1,25, both deliv- was formerly much annoyed by cut worms deered in the field?

barn-yard, but simply spread on plowed, sandy and worn land, in the fall, valuable? (g.)

By giving me information on these points, you will much oblige a reader and INQUIRER.

Burlington, Vt., June 9, 1855.

Remarks.—We should be glad to reply to the queries of our correspondent at length, but an affection of the eyes, probably occasioned by reading in the cars, and the long-continued use of them by lamp-light, has prevented us from reading or writing much for several weeks.

- (a.) Coal ashes have been found valuable in the garden and on the field crops. We have published several notices of their highly beneficial results. They should be sifted clear from all coals and cinders.
- (b.) At \$1,25 per load, 20 loads of manure, at 34 bushels each, would cost \$25,00. At 15 cents a bushel, 1663 bushels of ashes would cost \$25. Now if the sandy land has, within a year the corn resumed its healthy color, (one shade or two, received a dressing of barn manure, we darker than the original) grew rapidly, eared should greatly prefer the ashes; if it has not, we should prefer the manure. No definite rule can be laid down, because circumstances vary so ing been saturated, and care should also be used, much.
- (c.) It is a question not well settled. We the corn, or it may prove too strong. think corn does.
- (d.) Good, if the chips are well rotted, but would answer for both. excellent, when air-slaked lime is added, to dig in about fruit trees.
- (e.) Cannot answer it. You must experiment, when you have opportunity, and let us know the
- (f.) As a general thing, the manure is the most valuable. If the land is acid, and as an occasional use, the lime would be best
- (g.) It would be very valuable if it had been dug out a year or two, and overhauled two or REMEDY FOR APPLE-BORER-TROUT AND GOLD-FISH. three times.

PAY THE CHILDREN

Six cents a quart for the plums that daily fall from the trees; burn them, and destroy the curthe thrifty appearance of his young apple trees, culio maggot deposited in every one of them.

Watch the falling apples, nearly half grown; common manure, at \$1,25 per load, both deliv-by children or pigs, (I mean no invidious classiered in the field! (b.)

> "A jewel of gold in a swine's snout," or some baser metal, would be required to protect the land against his rooting propensities, but would it not pay? It is simply putting rings into the

July 5, 1855.

THE CUT WORM.

A subscriber from Lowell inquires in your last paper, "what is the best preventive for the grub stroying plants I had transplanted, particularly Is good muck, without being carted into the the tomato and cabbage; in some cases a large portion of them would be bitten off at the surface of the ground. Some years since, I tried the experiment of wrapping around the stem of each plant, before transplanting, a piece of soft paper, extending from a short distance above the root, to the first leaf, and found it a perfect remedy. It is done very quick, and the paper lasts until the plant is large enough to take care of itself.

Cambridge, July 11, 1855.

REMEDY FOR GRUB WORMS.

Mr. Editor:—"Verdant Farmer" wishes to learn through the columns of your invaluable paper, whether there is a remedy for the grubs, which he says are destroying whole fields of corn, pumpkins, and young hops in his vicinity. instance once came under my observation which I will relate, as it proved an effectual remedy.

A neighbor once had a field of corn that was nearly destroyed by the grubs, and by way of experiment, he applied plaster thoroughly saturated with spirits of turpentine; the result was, well, and was to all intents and purposes a good field of corn.

The plaster should be allowed to dry after havthat it does not come in immediate contact with

The above was the white grub that eats off the roots, and not the darker one, though I think it

New Canaan, Conn., July 3, 1855.

VETCHES.

Mr. Bethel, of Queeche, Vt., states that vetches should be cultivated as we cultivate peas when sown broadcast; that a few oats sown with them will prevent lodging, and that they remain green for a long time and make excellent fodder.

Friend Brown:—My object in addressing you at this time, is to inform your numerous subscribers and readers of the Farmer, of a new remedy for the grub or apple tree borer. Being near the sea-shore one day visiting a friend, I noticed

and upon inquiring the cause, he informed me that he mulched them with rock weed, and that the borer never troubled them. Having just set and have noticed numerous insects on them; they out an orchard, I concluded to try the remedy; collect on the ends of the twigs in numbers, are I have tried it for the last three years, and have about the size and shape of a louse, and of a green not found a borer around one of them during the color, and the small ants or pismires are thick time, while my neighbors that do not use the around them. What I wish to know is, whether rock weed, are losing their trees by their ravages. The mode of applying it is to dig the earth from means can they be destroyed! around the collar of the tree, and then for a tree four or five years old, use from a peck to a half bushel of the weed, laying it upon the top of the roots immediately around the trunk of the tree. For larger-sized trees use about the same proportion. I would state that my trees are set out upon greensward, and as a matter of course, the borer would be more apt to trouble them than if cultivated among. I have never known a tree attacked by the borer, where the rock-weed has been applied.

I have an artificial pond that I wish to stock with fish; will you please inform me if trout and gold-fish will live peaceably together. I have already trout in it, and wish to add gold-fish, if

they will do well together.

Yours respectfully,

Yarmouth, Me., June $2\overline{3}$, 1855.

Remarks.—Will some one who has had experience reply to the queries about the fish?

DITCHING.

Mr. Editor:—Being in possession of a small lot of poor land situate in western Massachusetts, would inquire through the medium of your valua- for the same purpose. able paper the method of constructing drains of ${f small}$ stone.

What sized stone, how many to the rod, how deep, wide, and far apart the drains, and how

much fall to the rod?

Is it indispensably necessary to use drain tile? How long will they last if well laid?

What is the greatest objection to this kind of A TILLER OF STONY SOIL.

June 11, 1855.

Remarks.-It would require an essay on the subject to answer the above questions. They are following manner, namely: pertinent, however, and "A Tiller of Stony Soil" ought to understand the whole matter, if he purchased (such as is made by the Lyman Mills intends to continue its cultivation. Being on a stony soil, he has plenty of the best material for the purpose of drainage. We will do better than the most useful—a much larger size would be to answer his questions with our accoustomed objectionable, as they would exclude the air from brevity by advising him to purchase Munn's the hay coeks. Practical Land Drainer, in which he will find the most approved system of drainage, and the scientific principles on which they depend, and are explained, and their comparative merits discussed, with directions for making drains, and the materials of which they may be constructed.

ACID FROM OAK TIMBER.

We are not able to give S. W. S. any information whether the acid from oak timber where staves are steamed, is good for anything or not.

INSECTS ON APPLE TREES.

I have quite a number of young apple trees, they are destructive or not? If so, by what

Exeter, N. H., 1855.

J. D.

Remarks.—Plant lice, or Aphides, are somewhat destructive. They may be destroyed, in some measure, by an application of whale oil soap, through a syringe, or by gently tapping the limbs of valuable plants and shaking them into See Harris on "Insects Injurious to Vegetation," for a full and exceedingly interesting account, pages 205 to 214.

REMEDY FOR CHAFES AND GALLS ON CATTLE AND HORSES.

One ounce of blue vitriol (sulphate of zinc) dissolved in four quarts of water. When horses are chafed by the saddle, or oxen are galled by the yoke, bathe the wounded parts freely several times a day, and they will rapidly heal under its use. In these times, when it is difficult to get rum to wash animals that are chafed, it is well for farmers and stable-keepers to keep a jug of the above remedy ready prepared for use, It is consisting of stony hill and swampy intervale, I much better than rum, which is so generally used

Concord.

For the New England Farmer.

HAY CAPS.

Mr. Editor: -Sir, -Permit me through your respectable agricultural journal to advise my brother farmers to supply themselves with a most useful and economical article of covers to protect their hay against rain and heavy dews, which I have fully tested for the last five years to my entire satisfaction. They should be made in the

Stout unbleached cotton sheeting should be Company at Holyoke) from 36 to 42 inches wide -the latter is the best--which should be cut into lengths of from 40 to 45 inches,—the latter is

To make 40 of them (and no extensive farmer should have less than 100) would require a gallon of linseed oil, which should be simmered with 4 pounds of bees wax, and a quart of japan should be added after it is taken from the fire. When cold, the mixture should be about the thickness of lard in summer, if not, more oil or wax may be added. The cloths should then be "payed over," to use a sea expression, with the hand or a small piece of shingle, on one side only, and then dried in the sun. When they are dry, the females of the family will cheerfully sew into the corners a stone of the weight of about seven or eight ounces, which completes the affair.

No hemming is required, as the wax and oil will experiment. The straw of my wheat—that which

keep the edges sufficiently firm.

they will pay the cost in one season, and will—Germantown Telegraph. last ten years, if taken good care of. Within the last week we have had one entire rainy day, when my neighbors' hay was thoroughly soaked, while mine was as safely covered as if it had been packed away in the barn. My manager thinks that one-third of the cost of some new covers just Who would not be a farmer, and till the grateful soil, made, were paid for on that day.

Large covers, made in the same manner, to who would not be a farmer, and work the precious mine cover the whole of a load of hay, with heavier which feeds the hungry nations, yields food for all mankind? weights, of course, would be an admirable protection against sudden showers; but, as I have not often made hay at a distance from home, I have never required them.

Respectfully yours,

Edward Clarke. Round Hill, Northampton, July II, 1855.

CUTTING GRAIN.

Mr. Editor:—In harvesting gram of all kinds, ${f 1}$ am convinced from my own observation and experience, that we do not commence early enough. Grain that stands until it is dead ripe—especially riety of wheat.

substance of the plant remains; but when it is stead of home-made manure! cut early, and properly cured, there is nearly as much alimentary matter in it, as in hay. Oat straw is generally regarded—and with justice— as of much greater value for feeding purposes, than the straw of wheat, barley or rye. Early lumps in which the worms may congregate. entting, with reference to the harvesting of this es a decided advantage over the old method.

himself of its correctness; he has but to make the In such eases, he will be quite likely to be re-

was first cut—was all consumed by my cows, I don't think I am extravagant in saying that while that which was left till ripe, was rejected.

For the New England Farmer.

WHO WOULD NOT BE A FARMER.

Which yields in golden harvests rich recompense for toil?

Who would not be a farmer, and walk his own domain, Behold his cattle grazing, and his fields of waving grain; List to the wild-birds' warblings, as they flit from tree to tree; They the farmer's feathered minstrels, his their gushing melody.

Who would not be a farmer, live in a rural cot, Inhale the balmy breezes, with healthful odors fraught; Possess a gentle, virtuous wife, and little folks a few, Take an agricultural paper, and pay the printer, too? Somerset, July 5, 1955.

For the New England Farmer.

ABOUT TRAPPING WORMS.

Mr. Editor:—I perceive, by the New England wheat—makes darker flour than that which is Farmer of June 23d, that "C. Q." recommends cut when in the milk, or about the time the kerthe trapping of worms. I hardly know whether nels begin to glaze. Last year, in order satisfact he intended to joke or not, for, after reading the torily to test the correctness of this position, I article referred to, I thought I would try the excut one-half of a piece of wheat just at the time periment. After making the holes per direction, the grain was beginning to harden, and allowed I tumbled a "fellow" (rather odd) into each hole, the remainder of the piece to stand till it had and, if the original experimentor, "C. Q." had matured. The grain cut in the milk, was bound been there, he would have wondered, for no matured. The grain cut in the links, was bound been there, he would have wondered, for no in small bundles, and stocked on grass lands, sooner in, than, to show their smartness, they where it remained for a forthight, being protectured "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, by caps, but extend "head over heels" two or three times, ed from rain and heavy dews, but weighed, and the first cut was found to be in did starvation put an end to them. I rather think every respect superior to that cut last; the kerthat "C. Q." must have been a grave-digger, and nels were finer in the sample—more plump and lying down to try the size of the grave he was farinaceous, the skin thinner and whiter, and the digging, finds such a snug fit that he can't get general appearance so different that, when placed out, and lying there "twenty-four hours," bebeside the other, it did not look like the same va-gins to think that a hot sun and starvation will kill any worm. This is reasoning in a practical A like experiment on oats resulted in a simi-manner, and there is a great deal of such reasonar way; and I am confidently persuaded that early cutting will be found in every respect prefeave some wonderful working plan, something erable to late cutting. Another, and by no one else can follow but themselves. About means unimportant consideration, is the superistic between the middle of June, I find the lumps of manure ority of the straw for fodder. Grain straw that stands until it is perfectly or "dead ripe," complete the middle of June, I find the lumps of manure almost a countless number of worms. Now, what takes but little nutriment: all the succharine is but little nutriment: all the succharine is lower to do with the manure? And what is tains but little nutriment; all the saccharine is best to do with the manure? And what is juices are abstracted, and little except the fibrous best, and what can a farmer afford to buy in-

REMARKS .-- If home-made manure is thoroughly

The farmer, in our opinion, cannot afford to grain, is therefore of more consequence, so far as purchase any manure instead of the common barn the straw is concerned, than it is of either of the manure, only under peculiar circumstances; such But in all cases, the practice possess- as where the land is difficult of access, or far Any person who is at all skeptical on this from home, or where he has team and help suffipoint, can, with a very little difficulty, satisfy cient to cultivate more land, but has not manure.

munerated if he uses guano, superphosphate, bone-dust, ashes, plaster, potash, or something else.

KETCHUM'S ONE-HORSE MOWER.

The liberal propositions of the Massachnsetts Society for the Promotion of Agriculture will do trial was made in Salem. On account of the already presented to the public. We had seen tents, viz :but one kind in operation, Ketchum's, and that with results not altogether satisfactory.

Last week we took a one-horse machine into our fields, and on Friday set it in motion on an oblong strip containing about one acre and threequarters. The machine was put together by a young man who did it for amusement. All the sive mowing grounds, where they proved them. bearings were well oiled with pure sperm oil, and Mr. Brookhouse has a farm of some 200 acres; we mounted the seat, hoping that our friend Horace Ware is one of the first and best farmers in the county; R. P. Waters is owner of the Lincoln's strong testimonials in its favor would Cherry Hill, formerly the White farm, and was be verified in our own mind, but we must con-the first to use the mowing machine in this counfess with many doubts.

than Richard's kingdom was to him, away we of 400 acres, 150 of it mowing grounds; and went, the jolly clattering of the cogs and knives Mr. Merrill is from the celebrated Derby estate. arresting the attention of the neighbors, and soon The ground selected was a level piece of mowing, populating the field with an interested group of producing about two tons to the acre, and about observers.

and for explanations to by-standers, the piece in 20 minutes; 2d in 14; 3d in 20: 4th in $8\frac{1}{2}$; was handsomely mowed. The grass was a thin 5th in 9; and 6th in $8\frac{1}{2}$. The first was accidentred-top in some places, in others a pretty thick stand of red-top and herds-grass, and affording a fair trial for the machine. On the 17th, we used upon the whole, have been as successful as any it one bill side where probably double the source. it on a hill-side where, probably, double the power of them. At this trial they all had two horses; was required that would be on level ground—but and with the same team and machine on Saturwith equal success.

We have no means of speaking of the compar-seven hours. ative merits between this and other machines, They may all have defects that will be remedied. of this machine. It is susceptible, we think, of the cutters in Russell's patent acted more fully some improvements, which it will undoubtedly as shears, and would seem to cut easier and betreceive.

was in plowing old ground ten inches deep, in the as to produce a perfect revolution in hay making. spring, with another horse by his side. We have The obvious advantages are, 1st, in the great saving of manual labor, one man being capable of rear forming as much work as a closer manual control of the second efit to the farmer. Other trials will be made 2d, it enables persons, by cutting their grass in which we shall report, and shall mention also less time, to make hay when it will be best, and some of the difficulties usually encountered, and not have it injured by delay; 3d, it can as well their remedies.

every five thousand of air. When it escapes from Newburyport Herald. the lungs, it contains two gallons in every one hundred. From this, we can see how much solid BREATHING.—A healthy person takes in about a carbon is continually thrown from the system, pint of air at a breath. He breathest a thousand and how much must necessarily be constantly times in an hour, and requires about fifty-seven supplied.

TRIAL OF MOWING MACHINES.

The rival Mowing Machines that have come into use within a few years, are being put to the test for the premiums of \$600, offered by the State Agricultural Society, and \$200 by the Essex County Society, for those that shall be able to perform the most and best work. Yesterday a much towards settling the questions, whether the great crowds that have collected at other trials, mowing machine is really to be a benefit to the no public notice was given, yet some two or three farmer, and which is the best, among the number hundred persons were on the field. Six persons entered as competitors, with three separate pa-

> Robert Brookhouse, Salem, Manny's Machine. Horace Ware, Marblehead,

Richard P. Waters, Beverly, Ketchum's " S. C. Pitman, Swampscot, George B. Loring, Salem, Russell's

ss with many doubts.

But with a strong, noble horse, worth more of the Astor House; Dr. Loring has the Picka quarter of an acre was allotted to each. They In two hours, including the stops for the horse, have arranged the names, as follows:—The first completed the work in the order in which we day last, Mr. Ware moved 10 acres in little over

We shall not attempt to describe the machines. but these trials justify us in speaking favorably The most essential difference we noticed was that ter. They all moved as clean and close as could have been done by hand, and the poorest of them The horse was not worried any more than he would be so great an improvement over the scythe, be cut after as when the dew is upon it, and the hay can be made in shorter time; and 4th, by Atmospheric Air-when it enters the lungs, the grass dropping where it stood, instead of becontains about two gallons of earbonic acid in ing thrown into swath, it saves the spreading.

hogsheads of air in twenty-four hours.

Terrell, an eminent agriculturist, and one of the ly regarded with increased respect, because they wealthiest and most public-spirited citizens of have enlarged their bounds of usefulness, to Georgia, died at his residence in Sparta, Hancock strengthen and refresh thousands of minds. Co., in that State, on the morning of 4th of July | teaching because the occupation disagreed with The deceased has especially entitled himself to her health, had a competence that precluded the the gratitude of Georgia and of posterity by the necessity of further exertion. "Now she has donation of twenty thousand dollars to Athens nothing to do but to be a lady and enjoy her-College, for the establishment of a Professorship though characterized by a most womanly sense of of Agriculture. Called by his name, it will, for propriety, did not think it lady-like to be useless, all time, be his monument.

LADIES' DEPARTMENT.

USEFULNESS.

were surrounded by all the advantages that out-her gentle influence, guiding them by her counward wealth can give, say with sad and timid sel, and greatly ameliorating their condition, by self-reproach, "I ought to be happy. It is my earnest representations to selectmen and legisla-own fault that I am not. But, I know not how tors. Her health has improved wonderfully un-it is, I cannot get up an interest in anything." der this continual activity of body, mind and When I remind them that Richter said, "I have heart. fire-proof perennial enjoyments, called employinanity of life. But the only certain way to at-of a large family who evinced similar wisdom. tain habitual content and cheerfulness, is by the She obtained from her father the sum that would active use of our faculties and feelings. Mrs. Somerville finds too much excitement and pleasineat household for herself, and adopted two ure in her astronomical investigations to need the friendless orphan girls to educate. poor stimulus of extravagant expenditure, or gosdissipation.

What can be more charming than the example ant exercise of sane minds in healthy bodies. of Mrs. Huber, devoting herself to the study of natural history, to assist her blind husband in his observations? Or of Mrs. Blake, making grace-for we can really enjoy only that which we imful drawings in her husband's studio, working off part freely. The following extract from one of the inversion of his plates and colories the inversion of his plates and colories the colories and the colories that inversion of his plates and colories the colories to the inversion of his plates and colories the colories to the colories the impression of his plates and coloring them Beethoven's letters, exhibits the human soul in with her own hand? Compare a mere leader of the noblest exercise of its immortal powers: viz.: ton with the noble German Countess, Julia Von embodying the highest conception of art, from a Egloffstein, who dared to follow her genius for genuine love of art, warmed by the motive of doart, though all the prejudices of people in her ing good to others. He writes thus: "My comown rank were strongly arrayed against it. Mrs. positions are well paid, and I may say, I have Jameson says, "When I have looked at the more orders than I can well execute. I ask my Countess Julia in her painting-room, surrounded terms and am paid. You see this is an excellent by her drawings, models, easts-all the powers thing; as, for instance, I see a friend in want, of her exuberant, enthusiastic mind, flowing free and my purse does not at the moment permit me in their natural direction, I have at once felt to assist him, I have but to sit down and write, pleasure, admiration and respect." The same and my friend is no longer in need."—Mrs. L. writer says, "In general the conscious power of M. Child. maintaining themselves, habits of application and manual industry in women, the application of our feminine superfluity of sensibility and imagi- rants and gooseberries, for pics, are not apt to be nation to a tangible result, have produced fine sweet enough, without the sugar is scalded in becharacters."

ly known as writers, were placed in the genteel rants, or more, if you wish it. — Ohio Farmer.

Professorship of Agriculture.—Dr. William ranks of society by birth; but they are univer-

Dorothea L. Dix, when she retired from schoolself," said an acquaintance. But Miss Dix, or enjoyment to be indolent. "In a world where there is so much to be done," said she, "I felt strongly impressed that there must be something for me to do." Circumstances attracted her attention to the insane inmates of prisons and almshouses; and for several years, she has been to Not unfrequently, have I heard women who them a missionary of mercy, soothing them by

Frederika Bremer, in her delightful book called ments," few have faith in such a cure for the "Home," tells of one of the unmarried daughters

Use is the highest law of our being, and it sipping about her neighbors. Yet the astronomer cannot be disobeyed with impunity. The more discharges all womanly duties with beautiful pro- alive and earnest the soul is by nature, the more priety. She takes nothing from her family. She does its vitality need active use, and its earnestmerely gives to science those hours which many ness an adequate motive. It will go well with women in the same station waste in idleness and society when it practically illustrates Coleridge's beautiful definition: "Labor should be the pleas-

CURRANT AND GOOSEBERRY PIES.--Green curfore they are baked, as the juice of the currant is That woman is slowly making her way into apt to run out while they are baking and leave freer life is evinced by the fact that, in a few the fruit dry. Stew them on a moderate fire, highly cultivated countries, literature is no long-with a teacup of water to a couple of quarts of er deemed a disparagement to woman, and even currants; as soon as they begin to break, add the professed authorship does not involve loss of easter in society. Maria Edgeworth, Mary Howitt, baked without stewing, put to each layer of fruit Frederika Bremer, our own admirable and excellable at thick layer of sugar. There should be as much lent Catharine Sedgwick, and many others wide- as a quarter of a pound of sugar to a pint of cur-



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JOEL NOURSE, PROPRIETOR. OFFICE ... OUINCY HALL

SIMON BROWN, EDITOR.

FRED'K HOLBROOK, ASSOCIATE HENRY F. FRENCH, EDITORS.

CALENDAR FOR SEPTEMBER.

"Now Harvest's busy hum declines."

EPTEMBER, though the first of the Autumnal Months, has an average heat scareely less than that of June. For several years past, the severe summer droughts have extended even into September, and the first half of the month, both day and night, has been oppressively hot, the earth parched and cracked, and the foliage hard, dusty, and dry. This year is an exception, and vegeta-

> the vernal season, than that of the season of decay. The frequent summer showers have given great

and constant activity to the growth of plants, and kept them in a green and vigorous condition, so that they now cover the earth with freshness and beauty.

Notwithstanding this, "the youth of the year is gone. Even the vigor and lustihood of its maturity are quick passing away. It has reached the summit of the hill, and is not only looking, but deseending into the valley below. But if September is not so bright with promise and so bnoyant with hope as May, it is even more embued with that spirit of serene repose, in which the only true, because the only continuous enjoyment consists .-And September is the month of consummationsthe fulfiller of all promises—the fruition of all hopes—the era of all completeness. Let us then turn at once to gaze on, and partake in its manifold beauties and blessings, not let them pass us by, with the empty salutation of mere praise; for the The leaves begin to fall, the meadows turn brown,

just appreciation of her gifts which consists in the full enjoyment of them."

Before the month closes, however, the general face of the country will have undergone a very material change since we left it last month; and none of its individual features, except the woods and groves, have improved in their appearance. Fields where the small grains were cut, present a rough appearance of coarse stubble, and weeds which have grown and ripened their seeds since the grain plants were harvested; others show the new furrows of the plow, or, perhaps, if criticized carefully, the young wheat or rye, just penetrating the surface, to come out and warm itself in the soft sunlight, and take root and gather strength to resist the winter frosts.

"And even now, whilst Nature's beauty dies, Deposits seed, and bids new harvests rise.'

In other fields, mileh cows and oxen are croption has more the appearance of ping the "fall feed," or quietly chewing the cud under the spreading branches of some friendly tree. But "the fields have no longer the rich luxuriance of their Spring bloom, nor even the delicious scent which belonged to them when the vigor of youth was upon them. They are the pale and feeble offspring of the declining life of their parent."

> Some of the summer birds have left us, both songsters and others. The chatty martins have gone, and with the exception of here and there a pair, the swallows have departed—"urged thereto by prophetic instinct, which will not be disobeyed," and which makes them exact observers of times and seasons.

> The vegetable garden "looks big with events," while the fruit garden is more tempting than ever. Crimson apples, golden pears, and luscious grapes more than repay the labor of cultivation in the health they promote and the gratification they impart while sharing them with friends.

SEPTEMBER will be like herself, after all.

"Glittering dews at morn and fogs at eve, Hasten the gathering of the fruits of earth."

only panegyric that is acceptable to Nature is that frosts occasionally sparkle in the early sun, and the

beautifully varied tints appear among the leaves of the trees standing in low grounds.

So the month and seasons roll along, each peeuliar to itself, and each presenting aspects and fea-tant of those exports are thus brought, and in order tures more interesting at their own proper time to enable an inquirer to predict with any approach than they possibly could be at any other season; to certainty what could be done under the pressure and all proclaiming the benevolence of that Intelli- let us leave the sharp stones, deep mud, or clouds of gence which has spoken them into existence, and dust of Odessa, and examine the tracts along which which directs them all, even to the timest insect those long line of bullock wagons come ereeking that dwells upon the dust of a flower.

In their succession and varied attractions, we must find sources of gratitude and joy; learn to avail ourselves of the opportunites which they present for our improvement, and fully appreciate the advantages which they present as they pass along.

"To me the meanest flower that blows can give Thoughts that do often lie too deep for tears."

September affords an opportunity for doing cersuch an opportunity. The farmer having secured his grain—all but the inimitable Indian corn harthey plow, and what sort of implement the work is oxen and swine appear compared with their own, chine, and several other exceedingly convenient and unsavory kind. not costly articles of furniture, which his own has the wife and daughters may profit by it just as trace it through many a yard of tainted air. We hope September will be greatly improved by our friends in this manner.

get it in early this month.

grass, though it were better done in August.

Swamps may be reclaimed and ditching done, where the land is sufficiently dry to admit of oper-

out ready for winter hauling.

All the crops should be carefully harvested as they ripen: the potatoes sorted as they are collect-crawls the loaf towards the Englishman's table. ed, and those intended for seed kept by them-Shirley Brooks, a Year in Russia. selves.

Rank weeds that have been overlooked and gone to seed should be pulled, dried a little and burnt, to result of a careful inquiry, that the hemp crop of prevent their seeding the ground for another year.

them stand. Cut when the spindle is dead, and than two-thirds or three-fourths of the amount the edges of the leaves begin to be dry.

CORN-CARRYING ON THE RUSSIAN STEPPES.

In order to judge at what eost the most imporfrom more northerly directions. I have said that a vast belt of Steppe girdles this coast. We are upon a Steppe. The prevailing color, as far as the eve can reach over the immense plain, is a scorched brown. The intense heat and drought have reduced the Steppe to this condition, and far beyond the horizon line, and away, verst upon verst, is the same dreary looking and apparently waste expanse. Not that it is all flat—hills, barren and rugged, diversify the line, and add to its difficulties, in dry weather eonsiderably, in wet incalculably. For look at the tain things which no other month can—there is ground on which you stand. You are on one of such an opportunity. The farmer having secured the roads, as they are termed. Elsewhere, a road, good or bad, means something which has been made -a line, upon which has been gathered material for vest-his hay, his winter rye and winter wheat got binding and clasping, and below which there is some in, and his piles of loam or muck for winter haul-kind of draining; bad or good, the road is, as coming got out, can afford to visit others and see how pared with the adjacent land, dry, compact and elasthey manage their affairs. How wide and deep tie. Dismiss all such ideas from your mind, or rather drag your limbs for an hour behind that corn-wagon, and such ideas will disappear of themdone with—how crops are planted and tended; how selves. Dead and helpless seems that we-begone orchards are set and pruned; how reclaiming track, creaking and drawling over which comes the and drainage are managed; how mileh cows, horses, bulloek-wagon-all wood, and built precisely as wagons were built a thousand years ago. and lastly, but by no means of the least consequence, boy farmer. Thrifty's wife manages have described by a discovery by way of form than with any idea how farmer Thrifty's wife manages her domestic of hastening them, and his massy heard hangs down concerns, and whether she has not a washing ma- over a species of censor, whence arise fumes of an But it is not in luxury, or in imitation of his eastern neighbors, that the peasant keeps this odor-breathing vessel under his nosenot! Such a visit of observation as this, would be the contents are an abominable mixture for greasing of a most pleasing as well as profitable character; and the wheels of his wagon, and by which you may he has placed the reeking vessel between his legs I know not, unless it be to remind himself more forcibly of the necessity of an operation, without the If winter rye has been omitted, it may answer to incessant performance of which his clumsily built it it in early this month. Old grass land may be plowed and seeded to trast this wretched machine with the well contrived, iron mounted cart of the German colonist, a few miles hence. But on goes the wagoner, jolting and creaking along the unhelpful soil, and singing some of those old airs in which, rude as they are, there is some melody, or saying prayers to one or Meadow muck in abundance should be thrown other of the multifarious national saints. On he goes, and so he and his predecessors have gone since corn was grown in Russia. Ricketty carts, knotted rope harness, drowsy bullock, wretched roads—so

The Lexington (Mo.) Express states, as the Lafayette county is inferior in quantity if not in Cutting the stalks of corn is preferable to letting quality, and that it will perhaps turn out more than usually produced.

For the New England Farmer.

SEEING THE CITY.

during the day, and in the evening they visit the Museum, or some other place of amusement, or take a stroll in Washington Street by gas-light. have seen the city. And so indeed they have—that people on the side-walk, seemed conscious that they were city bricks and city stones, and proud of the part they were playing in this animating scene.-Pemberton Square, with their swelled fronts and can be seen from the sidewalk. granite steps, and perhaps caught themselves contrasting their own humble homes with these princely mansions, and really felt a few twinges of envy down in some sly corner of the heart, or with a strange bitterness, suppressed the inquiry, Who maketh thee to differ from another?

In this way people generally see the city: in this way the city is made to be seen; and I am not sure that it ought to be seen in any other way.

The durk side, the opposite of all this glitter and show,—i degree of poverty and wretchedness as much below, as all this display of magnificence and wealth is above the real wants of our nature,—may be found hiding in the cellars and gurrets of all great cities; but is so loathsome an exhibition desi-like extra spurs which the city furnishes to move rable? would it do good? Is it not well that misery seeks retirement; and that the wretched and the streets, than they were wont to do in the counthe vicious are content to pine or revel in obscurity?

Without any disposition, then, to set out the dark side of city life as an antidote against the tendencies of its bright side, I have often thought it would be thing of how city mechanics live, and but little of an improvement on the usual style of city-seeing, were visitors allowed to gain some little knowledge But perhaps enough to show that an opinion of city of the way in which city mechanics and laboring life and city employments, based upon what is to be people generally work and live.

For every well-dressed person that one sees playing the gentleman and lady, during a day's ramble in the streets of Boston, there are probably, at all times, within a stone's throw, a score or two of begrimmed mechanics of both sexes busy at work in shops "in the rear," "overhead," or "in the base-Nash says, take one barrel of lime, and one bushel

front windows of those two stores. Reaching the first landing, where are we? Two more flights, one to the right, the other to the left, lead to still high-Country people who visit the city for the first er "flights," while a passage-way directly forwards time, usu'lly go to the Common, the Navy Yard, takes us through the front building into one in the the State House, the Monument, the Custom House, rear that fronts on no street, but is entirely surthe Wharves, and a few other prominent points rounded by and connected with buildings which dow-bigh their inclinations or their guides may suggest, front on two or more streets, or "Places," as "headed-in" streets are often called. But I shall not have time to describe these various shops and offices, if take a stroll in Washington Street by gas-light.— we visit them, so we will merely read "The Direc-This done, they return home well satisfied that they tory of this Building," as it hangs, in the shape of a have seen the city. And so indeed they have—that great sign, right before us. "No. 1, John Doe, Atpart of it which is "on exhibition." They saw the torney and Counsellor at Law." "No. 2, Nathaniel streets filled with well-dressed people, and the shops Grinder, Dentist." These are the two front chamand stores they passed or entered, with genteel and bers, nicely carpeted, and away from the clatter of polite men and women, who appeared to have plenty of leisure and plenty of money. They looked into windows of clear glass and of wonderful size, Manufacturing Jeweller, a Printing office ratio, and Manufacturing Jeweller, a Printing office ratio, and Manufacturing Jeweller, a Printing office ratio, and manufacturing development. filled with gold and silver ware, rich crockery, costly Coffee-grinder, a Gold-beater, a Book-binder, a Carsilks, gay ribbons, gilded books, carved furniture, penter's shop, &c. &c., in all some ten or fifteen cutlery, carpetings, pictures-every thing that heart different establishments occupy the five stories of can wish or fancy conceive, until they wondered which the building consists, and employ perhaps where the money is to come from to pay for all some hundreds of individuals of both sexes. Here these things. They heard the noise and bustle of men and women ply their busy tasks, with almost the crowded streets, and looked upon the whirl of as little acquaintance with their fellow-laborers in the moving multitude, till the very stones of the other parts of the building, although passing and pavements and the bricks of the buildings, like the repassing the same threshold daily, as they have with people in other cities. And yet this swarming hive of city laborers presents a crystal front to the street, and perhaps a half-dozen starched clerks are They gazed at the residences on Beacon Street or the only representatives of this busy multitude that

> High rent necessitates the economy of room; and operatives are consequently crowded into the smallest space consistent with the nature of their employment. Working almost entirely by the job or piece," and incited by the example and weekly bills of the fastest workmen, a spirit of emulation is roused, and as a general thing, I believe hands work harder in large than in small companies—harder in the city than they do in the country, at the same business. The demand for money, likewise, to meet the higher rate of house-rent, and of almost every thing else, in the city, as well as the contagion of an almost universal example by all classes of a desperate effort to "keep up appearances," are among the hands faster in the shop, and the feet faster in

> But I must close this article. My yara has spun out beyond my expectations. I have not said any what I intended to have said of how they work.seen in a day's walk through the principal streets, may be a very incorrect one.

A CITY MECHANIC. Boston, July, 1855.

ment;" over the entrances to which is painted in of salt; dissolve the salt in as little water as will large letters, "Positively no Admittance, except on dissolve the whole; slack the lime with the water, business," an enactment, however, that, like other putting on more than will dry slack it, so much that "prohibitory" laws in Boston, is enforced or not, as it will form a very thick paste; this will not take the "proprietors" see fit. Taking our curiosity as all the water: per on, therefore, a little of the rethe "higher law," then, suppose we venture up that mainder daily, until the lime has taken the whole. dirty flight of stairs jetted in there between the The result will be a sort of impure chloride of lime ,

but a very powerful deodorizer, equal for all out- (never beyond,) and I would suggest that instead door purposes, with the article bought under that of the forest, he select the various fruit trees to name at the apothecary's, and costing not one-form his pleasant shades. They are as beautiful twentieth part as much. This should be kept un- and fragrant in bloom, and as lovely to our vision, der a shed, or some out building. It should be when their rich fruit combine with their deep green kept moist, and it may be applied wherever offen-foliage. And many a blending and contrast can sive odors are generated, with the assurance that it be formed by the right arrangement and commingwill be effective to purify the air, and will add to ling of their lighter and heavier foliage. the value of the manure much more than it costs.

For the New England Farmer.

THE BEAUTIFUL AND USEFUL.

mind to love the beautiful, and appreciate true esty in all. worth. A departure from this rule, is perversion of taste, not nature. For instance, let a child grow to maturity, its mind become fully developed, and taught only as Nature would teach; that mind would become complete in native loveliness. The wood, the lawn, the vale, and meandering stream, would lend their magic charms to tranquillize the mind and point through Nature's loveliness to God, the originator, and beautifier of all. The ocean grand, the mountain bleak, the grotto wild, and deep ravine, with rocks of towering height, and mighty chasms, which exhibit the convulsive throes of Nature, in some momentous period, (a period) too comprehensive for human conception,) evince to that mind a God of power, might and majesty; and leads to deep adoration, as well as love.

Nature to me is beautiful in her contrasts as well as harmonies. I love to walk among her scenes, yards therefrom, for the seat of our country residences, even to please so fastidious a taste as "Agri-When I so When such is the case, I shall likewise nature and art one harmonious blending.

I love to see a taste for the beautiful displayed in the selection of ground, the arrangement of always be borne in mind, will only give permanent pleasure. Or, in other words, we do not love to see a dwelling of rare loveliness embowered in "golden dreams" of the modern El Dorado cross his imagination, as the means of retrieving his shattered fortune, he be obliged to sneak, and destroy his golden hopes.

progress of the beautiful. Let her go hand in hand with usefulness. Let the farmer or mechanic

But mankind have different tastes; they act dif-It would be well for every farmer to prepare a quantity of this, and have it always on hand.

houses differently. Nature has different arrangements. On some farms she has undulations, and some she has plains; I would not for myself have all cloud or all sun; but one thing I would desire, a fair representation of country residences, if repre-Mr. Editor: -Sir,-It is natural to the human sentation be required; and truthfulness and hon-

Fairhaven, 1855.

For the New England Farmer.

LETTER FROM THE HOMESTEAD.

BY H. F. FRENCH.

My Dear Brown:—Of all the days in the year, give me a rainy day in haying time for attending to neglected duties in the way of writing. After days of hurry and heat and hard work and dust, of rising at daybreak and swinging the seythe while the dew is on the grass, of raking and pitching under a prior to the knowledge of puny mortals, and far burning sun, of stowing away half-smothered under the eaves, comes this quiet, soothing rustle of the rain-drops on the leaves, when we awake in the morning. We give a half-sigh for the hay-cocks, but are easily consoled when we think of the corn and be taken by surprise at some unexpected freak and potatoes and the pastures; entirely resigned, of her playful wildness. How tame and common-place would she seem, did she work with geometrical precision; or with rule and compass always in summer, and on further reflection, quite rejoiced hand. Neither can I perceive the consistency of that we have not the responsibility of taking care of her swelling each side the road, about one hundred the weather, which is managed so much better with-

When I say we in these preliminaries, I intend to expect that the taste of every man will be so include a part of "the rest of mankind," for canchanged, as to paint his house a soft "warm stone dor compels me to admit that as a strictly personal " and flowers be all a "dappled grey," and remark, there is a slight figure of speech in that allusion to the scythe in the dewy grass, for though I have moved a handsome swath in my day, I have shrubbery, and the intermingling of lovely plats of found it more consistent with other duties, of late, flowers, surrounding our abodes with scenes of gay to see other hands perform that labor. Still, the profusion; but the useful and the beautiful, it should rain brings leisure from out-door cares, and as dogday weather is too hot for severe studies, even in the way of agriculture, we will lay aside the abstruser beauty and bloom, with "Sheriff's Sale" written in matters of soil analysis, of superphosphates and conspicuous characters thereon; or to know the chemical affinities, and discourse of familiar matters owner no longer calls it his. And should some better suited to the weather and the season of haste and heat.

You see that I date once more at Old Chester, crawl to some secluded corner, lest his creditors and the Homestead, where we are seeking health and repose for one who has been almost overcome Far be it from my humble efforts to retard the in life's battle; hoping for strength in the clear sky and pure air of an inland and hilly position.

A gentleman of much observation, whose wife of moderate means, when he purchases his abode, or erects his cottage home, do so with a just intention of beautifying it according to his means; lungs, who had travelled with her for her health

through Europe, and finally buried her in Florida, No man ever yet I think repented that he plantthat no region in the whole world affords at any civilizing an influence upon the habits of children, self," said he, "has not a clearer sky nor a purer at-though we were tolerably eivilized in our notions appointment."

can be persuaded to pass the summer at the beach-crows and blackbirds were the only legislative aids es and fashionable watering-places, parading round to agriculture, and box-traps and cross-bows were on the sea-shore without shelter or shade of any good enough for chip-munks. But, perhaps it may green thing, suffering the tortures of Regulus, who as well be confessed, without much encouragement was exposed by his enemies to the noon-day sun from the paternal side, we find a different spirit with his eyelids cut off-how they can endure the among our children. The robin's nest, almost glare of the ball-room in dog-days, and the crowd- within reach of their chamber window, has been ed chambers of fashionable hotels, not to mention watched from day to day, and the number of eggs the killing conclusion by way of paying the billshow all this can be translated into pleasure by ra- and grown up and flown away unmolested. Pieces of tional people, when the peaceful, quiet hills and thread and cotton have been hung on the fences for valleys of the country invite them to health and the good robins to weave into their nests. A red freedom from restraints of fashion and artificial life, squirrel is seen hourly jumping from tree to tree, passes comprehension.

years almost have elapsed, since professional ambi- nuts and other luxuries for him to carry away. tion, or, perhaps, rather, the necessity of carning is my first return except as a transient visitor.

together in this old village, and show them the her victim in her mouth, expecting, doubtless, trees that my own hands have planted and assisted as much commendation as if she had taken the others in planting, no doubt a score of years would largest rat in the cellar; but alas, no administrawitness such an improvement in the streets of our tion, with a Nebraska bill in its teeth, ever met towns as no mere talking or writing can accom-more general reprobation. Brooms and dish-cloths, plish. Twenty-five years ago or thereabouts, the with an accompaniment of shouts, and a general old Lombardy poplars which had been planted rush of the small folks upon the astonished favorabout the paternal mansion when it was built, in the ite, soon convinced her that she had fallen into first years of the century, were decayed so as to be some error of taste or judgment, and she was comno longer an ornament, and were cut down. There pelled to seek safety in flight, dropping the little stood the tall, white three-story house close to the striper unhurt by the way, and taking refuge for street, with only a few lilacs and roses to shelter it. herself under the wood-shed, till the wrath of the Now, as you approach the mansion on either side, people subsided. no glimpse of it, except of a chimney-top, or of a window or door, where the branches have been cut dren. He who loves the works of God is near to away, can be seen. The rock maples and horse-loving Him. chestnuts and elms have interlaced their boughs and lifted their heads so as completely to shelter it. A quarter of a century has sufficed to increase the trees which a boy could carry on his shoulder to a foot or more in diameter. Yesterday I fixed a the beauty and glory of the place.

recently expressed to me his thorough conviction ed a shade tree by the way-side. Nothing has so season a more beautiful and healthful climate than as this taste for nature's products. I confess for this part of New England in summer. "Italy it-'myself and the generation of boys of my time, that mosphere, and they who wander abroad in search about trees, the fashion of the day paid little reof health, at any season, find only suffering and dis-spect to birds and beasts. With us, a squirrel was made to be trapped and drowned, and a bird as a How rational men and women from the cities general thing was made to be shot. Bounties on reported to the family. The young have hatched or running over the front-yard fence, and the chil-But to return to the Homestead. Fourteen dren have a hole in an apple tree, where they place

The kitten is a great pet, but yesterday she my living, called me from my native town, and this caught a striped squirrel which has taken up his abode in the wood-pile at the door. She marched If I could assemble all the boys of New England into the kitchen with a most triumphant air, with

On the whole, this is the true education for chil-

"He prayeth best who loveth best All things both great and small, For the dear God who leveth us, He made and loveth all."

Perhaps it is possible to rear children in cities, swing for my children upon a chestnut which grew with pure tastes and healthful ideas of the duties from a nut which I saw my father plant in the gar- and objects of life. Perhaps the boys may escape den, and which I transplanted to its present place the conviction that money is the one thing needful, some twenty years ago. The street is fined for half and the girls, that dress and the opera are above all a mile with elms and maples which we boys of the price, and that the chief end of woman is to exvillage with our own hands dug from the rocky cite admiration in a waltz, but surely the country is soil of the forests and planted. Now they are the true school for healthy development of body, mind and heart, and let us who live on the farms,

ant places," and that we have "not a goodly heritage."

Chester, N. H., July, 1855.

A WORD ABOUT STUMPS.

whether it be wise or unwise, but I have often been but one grew before, and prove an element in the vexed with STUMPS, with whole fields of stumps, great progress of civilization. and sometimes with even one, which has stood like a lubber, right in my way, to bruise toes or hurl my Chilian government, has purchased four machines, mities, which I may earry too far. I was riding regions; it is to be hoped our excellent farmers years ago in Ohio, a stump capsized the stage and will take the hint, apply this machine to some milstageman planted his axle flat on the top of a huge at um."—Northern Sentinel. pine stump, which stood then, and I dare say, stands now right in the centre of a Western road; this led to hard words between driver and "all hands," and my grudge was confirmed. We are an amazing free people, we love and hate what we please. Some men love their deformities, and some farmers very valuable paper, nor even being permitted to seem to love their stumps, and bequeath them as peruse its columns regularly, my eye rests occadisputandum. I marvel, however, at their taste. And among others, that series of articles which have night in August, said she could "not see for her life for a few weeks past, on "Lunar Influences," struck why people so much object to the smell of a me as a question which may yet be one of interest skunk!" Some wonder why I object to stumps, whilst and importance to the agriculturist. From actual others, I am happy to say, are in full sympathy

I am glad to see evidence, that here and there a farmer is "stirring his stumps." I have just seen the exploits of Mr. WILLIS' STUMP EXTRACTOR, at of the moon on the tides, may we not reason from Orange, Mass., where he has began to manufacture

the article on a large scale. I am satisfied this machine has prodigious power.

biggest monster imbedded in the soil!

I am satisfied, it can be worked very rapidly. Three men can do as much work with it, as fifty or perhaps a hundred can do without it. Well worked, I am told, it will turn out a lusty stump each ten minutes, hour by hour. I am satisfied this mastill more in the Middle, Southern and Western States. It has made many fields lawn-like and beautiful, in and around Orange, and if brought into requisition, it can do the same from Maine to Georgia. The cost is something, but not frightful. A good machine, with the exclusive right to use it in any one town in the umon, costs \$150 or \$200, no more. This is less than the price of a Piano, less than the price of the gold watch, with "fixins," which dangle from the pocket of many a fop! One machine may serve a whole town; and a tax of \$200 levied on a score of enterprising farmers, would be no killing aff ir. One young man in a town hard by me, has work, what sport is more lively and amusing than "ousting" stumps? What agricultural work will pay half as well?

who does not see that he had better pay for a ma-sfitable to the reader.

never complain that our lots are not "east in pleas- chine from his own purse, and give the use of it to his neighbors, than have a half a dozen acres of his best fields occupied and defaced with stumps all the days of his life. \$200 will place this machine and town right within the reach of every group of respectable farmers, hence stumps have now no such right to mar "fair creation," as in past times.

I think Mr. Willis, the patentee, a benefactor: Some things, according to King Solomon, are his patent will make rough places smooth, make enough to make "a wise man mad." I know not two, yes, ten thousand spears of grass grow where

A gentleman from Valparaiso, deputed by the wheel aside. I have a grudge against these defor- which are now on their way to those semi-barbarous erippled me for months, and there my grudge be- lions of stumps which pain our eyes on the right gan. Riding awhile after in a stormy night, the and left, wherever we travel. Gentlemen, "up and

For the New England Farmer.

"LUNAR INFLUENCES."

Mr. Editor:—Though not a subscriber to your heir looms to their children. De gustibus non est sionally on an article which attracts my attention. It reminds me of the young lady, who on a warm appeared from the pens of different contributors, experience I cannot say anything, and some may reject my remarks as of little value, citing the old adage: "Experience is the best master." Very well. But from the known fact of the "influence" analogy that further investigations may bring to light influences operating on other substances? am of the opinion that this way of treating any-One of common size, it is computed, has a purchase of 336 tons, and this it seems may be increased almeans for gaining one's point. "*," who writes in the most beyond computation, so as to hurl out the Farmer, (July 7,) resorts to this means. He is most assuredly entitled to his "opinions heretofore entertained;" but his reference to the influence of the Pleiades, or of Orion, on the growing of Indian corn, is in my humble view supremely ridiculous. I think if "*" will have patience, that with the progress of the sciences something will be produced chine is much needed, even in New England, and in connection with this topic which will be, if not demonstrative, yet convincing. We ought to use reason in all our researches after truth, and not be too bold in expressing our opinion till sufficient facts have been adduced to warrant an impartial decision. Let us wait, then, a "little longer," and see what further developments will do.

Mr. Editor, by inserting this you will greatly favor one interested in the cause of science and ag-"Delta." riculture.

Chelsea, Mass., July 10, 1855.

Remarks.—Does the moon affect the tides? We are more inclined to the belief that the tides mide purchase, and is now working the machine day are occasioned by the revolutions of the earth, empby day at a clean profit, of from \$3 to \$5. What tying the contents of caverns into each other at stated periods, and of which Boston harbor is one. We have several articles under the same head as A man is blind, he needs a candle at noon-day, this, but doubt whether any of them would be pro-

THE SKY-LARK.

Bird of the wilderness, Blithesome and cumberless, Sweet be thy matin o'er moorland and lea! Emblem of happiness, Blest be thy dwelling-place, O, to abide in the desert with thee! Wild is thy lay, and loud. Far in the downy cloud, Love gives it energy, love gave it birth. Where, on thy dewy wing, Where art thou journeying? Thy lay is in heaven, thy love is on earth. O'er fell and fountain sheen, O'er moor and mountain green. O'er the red streamer that heralds the day, Over the cloudlet dim, Over the rainbow's rim-Musical cherub, soar, singing away! Then when the gloaming comes, Low in the heather blooms, Sweet will thy welcome and bed of love be! Emblem of happiness; Blest is thy dwelling-place, O, to abide in the desert with thee.

THE FARM SUPPORTS ALL.

superiority.

cannot meet his liabilities, nor incur others.

is glutted and his supplies are not wanted, and is think, their hardships are not so great as those incompelled, because he cannot enter into combina-cident to the professions we have named. They tions to meet the banded monopolizers, to sell at a have, besides, what traders and speculators, and price which gives him but seanty pay for his indus- even mechanics, can never have, what is really a

He feels that all the world is prosperous except himself, and the trading public, forgetful or careless that the farmer maintains and even produces all this prosperity by his quiet pursuits, look down upon him perhaps with contempt.

To be sure, he has at such times, in common with others, enough of food and clothing. He does not want, but his abundance and success seem to profit others more than himself. Indeed, he hardly participates in the general prosperity which his own hard work and watchful care has created.

But by-and-bye the scene changes. The crops are short in some sections of the country. Supplies are not forwarded to the great marts of trade for the adequate supply of the inhabitants of the eities themselves, or to meet the demands of commerce. Business is deranged, merchants fail, the country traders are discouraged, the whole country languishes, and there is a general ery of hard times. But the farmer does not fail. He raises his own food in abundance still. What he can spare brings him an increased price in the market. The tra-People may reason and theorize about the cont-ders and speculators come to his very doors, and parative usefulness of different pursuits and occur-entreat him to sell them at any price enough to pations. We will not quarrel with any man, be-meet the present necessities of their business. And cause he insists that a trader or broker is as useful so, when the earth is laid waste and labor diverted a man as the farmer, but we will quarrel with any from its legitimate pursuits, by want. Then the man in a gentlemanly way, who will not admit that farmer increases his exertions. He sows more the farmer's life does possess as much true dig-broadly, he labors more earnestly. He feels that nity and utility as any other. We will, for civili- men in foreign lands, who are dragged by hard ty's sake, admit equality, but can acknowledge no masters from their homes to engage in bloody battles, are dependent on him for their daily bread. Agriculture is the basis of all national prosperity. Still his own supply is abundant, and others de-A child may see that if the earth is not cultivated, mand a share, and offer him a generous reward for the whole population in a single year, or at most, his labor. The world, stupid as it often is, in times in two years, when the cattle are consumed, must of general peace and prosperity, now appreciates literally starve, while society could exist to an in- the farmer's useful life. What then is the true definite extent, were the labors of any other inter-position of the cultivation of the land? Is it one est to cease at once. Observe the course of trade, of hard work and servile labor only, or is it one of and inquire of the merchants even in our own dignity and importance, indispensable at all times? country, and we shall find, that upon the products Farming is doubtless hard work, in the general acof the soil does all the prosperity of trade depend, ceptation of the term, but it is a great mistake to If the cotton crop is short, the southern trader can-call that only hard work, which is performed with not order goods from the North, or having or- the hands. The lawyer, confined to the stifling dered, fails, and cannot pay for them. He fails be- and erampt air of a court-room for days and weeks, cause the planter having fed to his negroes all his with the property and lives of his clients at stake, corn and bacon, has nothing left wherewith to pay and dependent on his watchful, constant care; the for his family supplies. If the wheat crop fails, minister, bound to his stated preaching, whether in the Boston and New York merchants at once feel health, or feeling himself sinking already under his the effect of the failure, for the Western merchant harassing and never-ceasing responsibility; the doctor, called out at midnight to prescribe in an in-When all things are prosperous, the farmer is stant, in a new and doubtful case,—these have all almost forgotten. He labors hard and brings the their labor, harder work than any performed by the product of his labor to a full market. He is met hands alone. Many farmers labor too severely, by sharp speculators with the cry, that the market more so than there is any need of; but still, we

"God giveth the increase," and that they and theirs one of these machines. In this we think the editor fiekle goddess, Fortune. As age brings reflection, commend them to general favor; that they should and juster views of the true objects of life most be lighter, so as to be operated with less power; and juster views of the true objects of life, most men place a higher value on the peaceful pursuits to be in less danger of breaking or giving out in of agriculture. The repose and serenity of a far-mer's life have charms for them, beyond riches, and made, as to be sold at half their present prices. all the pleasures wealth can buy.

Indeed, it is rare to find a merchant, or successful mechanie, who has in early life left his rural home for a life in the city, who does not look forward with pleasant anticipations to the day, when he shall return once more to his native hills, or at least to the occupation of a homestead, where his children may imbibe true ideas of the dignity and an advertisement of muriate of lime. As some independence of a life on a farm.

This may seem a trite and common-place subject. We claim no originality for these thoughts, but it would seem that now, when wars are desolating the earth, when prices are paid in our markets that would indicate that famine must somewhere prevail, it would seem that now, both the farmer himself, in his independence of other men from the vicissitudes of life, and all others, in their dependence on him for daily food, might see and feel, what more than all else we would impress on all, that Agriculture is the foundation of national prosperity, and that the position of the farmer is entitled to be that of the highest honor.

For the New England Farmer.

LABOR-SAVING MACHINERY.

The precautionary remarks of the editor of the Massachusetts Ploughman, in the paper of July 28, on the use of Mowing Machines, are well calculated to be obtained, of course it is preferable. to arrest the attention of farmers of less practical experience, and to awaken the inquiry, who is right? age, tells us that this salt (muriate of lime) retains If it be true, as is asserted, that an individual will all the ammonia which falls to the earth in the rain, cut four acres of grass in a day, with a seythe, then consequently, if it is applied to the land in the fall, there would seem to be no occasion for applying by spring it has not only its own fertilizing properhas not come to our observation—two acres in a an additional property, and the one which has renday being the extent that we have known to be dered guano of so much value as a manure for so mown by a single man. We had supposed that a many years past. machine, properly operated would cut four times as much as a man, and quite as well. In fact, we are which has yet been discovered, and wherever it has entirely confident that ten or twelve acres, contain-been used the yield has been very abundant. Much ing as many tons, can readily be cut in a day, by a more might be said of the value of this article, but single machine. This we know to be true, because I think sufficient has already been said to show that

the power of a pair of oxen, and it was "no go"- | Charlestown, Aug. 1, 1855.

source of more enjoyment than wealth can bring-we had "to hitch on a horse to help it along." We they have security for the future. They plant and sow in faith, and with full assurance that the har-has occasion to halt for a moment, in the use of one vest will not fail. Railroad and bank stocks may of these machines, where the grass does not exceed rise or fall, the market for their own produce may two tons to the acre. We have never witnessed a be high or low, war or peace may prevail, free-trade stoppage of a machine by reason of the burden of or high duties may triumph, but they know that grass. The editor further says, that two of his men are dependent on Him alone. Young men make mistaken,—and that they will not cut more than haste to be rich. They forsake their "paternal half as much. We agree with the editor, that there acres," and strive in doubtful paths to outstrip the is need of much improvement in these machines, to that they should be made of better materials, so as These improvements being adopted, we cannot doubt that mowing machines will ere long come in-A Looker-On. to general use.

July 28, 1855.

For the New England Farmer.

MURIATE OF LIME.

Mr. Editor:—I noticed in your valuable jourof your readers may not know the value of this manure, I have taken the liberty of sending you a few lines upon the subject, which, if you think worthy,

you can insert in your paper.

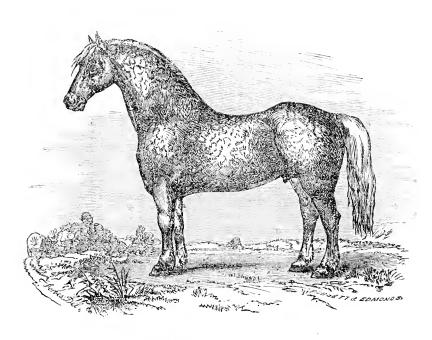
This article has been already noticed in some of the journals of the day, as the best article for the destruction of the eanker worm, which has committed such ravages upon our fruit trees during the past season. This is, however, only one of its virtues. The soil of meadow lands contains a large proportion of humic acid, which is one of the principal constituents of peat, muck, and different kinds of decayed vegetation. The heat of summer and cold of winter alike render this acid insoluble; in this state the nutritive matter cannot be absorbed by the plant. It is necessary, then, in cultivating meadow lands, or in making a compost with peat-muck or vegetable matter, to add some corrective, which will make this acid soluble, and capable of being assimilated by plants. The best chemists and vegetable physiologists tell us that the muriate of lime and the alkali formed from wood ashes, are the proper correctives. As the former is cheapest and easiest

Liebig, one the first agricultural chemists of the machinery to this purpose. Such individual labor ties, but has received and is constantly receiving,

For grass lands this is probably the best manure we have seen it done the last week.

But, says the experienced editor, we tried one of these machines that came from Philadelphia, with more on a similar subject.

it is worth trying, and why it is so. If this should meet your approval, Mr. Editor, I may send you these machines that came from Philadelphia, with



MORGAN DRAFT HORSE CLYDE.

[Took the First Premium at the New York State Fair in 1852.]

For the New England Farmer.

WINTER WHEAT---CHESS GRASS.

that wheat is a legitimate crop of New England. using the cultivator or a loaded harrow. My own experience, and my correspondents from your region, confirm me in all I have said and writinches deep. At six inches, it came up, but was ten upon the subject. It would really seem a work feeble; at two, three and four inches, it headed out of supercrogation, in any one, to advise a farmer to finely. If sowed early and put in two or three inchraise his bread. He ought to know it, from prompt-es, (on deep plowing,) it will scarcely ever winterings of self-interest. Certainly, the products of his kill on descending lands. farm are the bulwarks of his independence. The blacksmith should shoe his own horse, and the cord- in a weak salt pickle, and rake it in dry ashes. wainer should shoe his own children, yet they are Ashes spread in the spring have a fine effect on it.

What a relief it must be to the farmer, to go to strength of blade is secured by early sowing. his granary and measure out his wheat for the mill,

hand. Be sure not to pass the middle of Septem-winter wheat, as if by matrimonial alliance. ber; if put in the first week, so much the better. Again permit me to say, that twenty-five per Worn-out mowing lands, and old pastures over-run cent. of your unprofitable pasture lands put into with low laurel, (killamb,) hardhack, thistles, moss, wheat, would produce grain enough to bread the &c., where fifty acres will scarcely keep a cow; wall State of Massachusetts. Laid down to a pasture

stony,) and it will make fatlings of five cows; first, put in wheat, then laid down to a pasture. No soil so good as inverted sod for wheat; no plow so good Mr. Editor:-Yourself and your readers may as the double Eagle, which leaves the furrow so think I have exhausted my subject long ago, but I pulverized and broken, that the grain is buried deep wish you to understand, I am a martyr to the belief enough to escape winter-kill, if sown on the furrow,

Sow 12 bushels to the acre; soak twelve hours often found barefooted. There is an inaptitude to What is gained in the autumn growth, is so much realize home wants. Is it not so?

What is gained in the autumn growth, is so much accomplished for the next spring. Root, and

I learn that chess grass has troubled you. It instead of going to "the store" and paying out \$12 must have been by carelessness in seeding. It accash for a barrel of flour. What an improvident cumulates wonderfully. It properly may be called thing is all this, while God has given him spring the "tares" among the wheat. The remedy is, not and winter grains, commanding him to "till the to sow it, and if it appears, pass through the grain ground," with the sure promise of "seed time and and pluck it up; it resembles a tuft of oats. We harvest." Who will have the hardihood to doubt? hope to be enlightened upon this chess grass by The time for sowing winter wheat is nearly at some of your readers. It seems to be wedded to

off five acres, (pastures are generally good soil and again with rich feed, the cow returns ten dollars

extra in milk, butter and cheese, the season, and feet fall into the box at the foot of the plane. adds to her own value and all other animals \$5 to times several grades are made. \$10 each, showing the difference between poor and are caught in one trough, the slightly imperfect in good feed. Why so much neglect of the pasture, the next, a little nearer the plane, and so on to those while the scaffold is an object of such solicitude, almost shapeless particles which must go back to The pasture should make the beef and growth of the kettle to be re-melted. The shot are then polthe young cattle; then why is it not the farmer's ished, as pins are, in a revolving barrel; in which important revenue?

of Sebastopol with an open waste-gate of blood and tend so lengthy a description when I began, altreasure, the New England farmer may be more though it may interest the juvenile portion of your honorably and profitably engaged in subduing his readers, but to speak of the process of manufacture tough old pasture lands, which will give him pleasure and revenue in the end.

II. Poor. There, the melted drops instead of falling from a sure and revenue in the end. H. Poor.

HOW SHOT ARE MADE.

The New York correspondent of the Congregationalist gives the following information on this subject:]

passing up Water Street on the shaded side, I no- from the fourth floor of the store, as if they made ticed a gust of hot air from a store I was passing, an unobstructed journey of 200 feet. which struck my cheek with the burning force of a sirocco. Curious to ascertain its origin, I entered the store and drew near the hatchway, from whence it seemed to proceed. Down from the stories above came pouring a shower of silver drops, which disappeared in the vapor from the apartment beneath. and drew it forth covered with melted lead. It was them. a manufactory of shot. The first method of makas a pill is made between the palms of the hand.— gree. In fact there is but little difference. The next process was by casting in a mould, as bul- Not so, however, with the grains; the best A few, of course, from contact with others, and various similar accidents, will be imperfect. How shall they be separated from the mass? An inclined etables. If proper attention were paid to the seedge in a box. Down this plane the shot are care-that we often do, that "the beans are late and all at lessly rolled in a thin stream. Those perfectly the top of the poles," and the cucumbers all run to round acquire so much velocity that they bound off vines, or that the seed has "run out." into a receiver at a little distance, while the imper- Somerset, Mass.

Some-The most perfect

also a little black lead is placed, to give them the While the allies are farming out the destruction peculiar finish they have when sold. I did not inhigh tower, or through a deep shaft, simply came from the hatchway of a four story building, used as a store, the shot being made and sold under the same roof. The necessity of the long space is obviated by forcing up against the falling shower a volume of air from a huge bellows worked by a small steam engine. This current of air so retards On one of the hottest days last week, as I was their descent that the shot are as perfect, in falling

For the New England Farmer.

Mr. Editor:—I have been a reader of agricul-The gentleman who was standing near, perceiving tural papers for the last twenty years, and I like the my curiosity, thrust a stick beneath the white drops New England Farmer about as well as any of

I am a practical farmer, on a small scale. Now ing round shot, was by abrasion; a number of small it is generally agreed that liberal manuring and rough chips or particles of lead were shaken to-frequent stirring of the soil are essential to good gether in a bag or box until they were worn into a farming. I think that good seed is also essential. spherical shape; or, from a sheet of lead, small cu- I have read of large potatoes and small potatoes, bical bits were separated with a punch, and ground and have seen them and planted them; but in rebetween two flat stones, until they were rounded, lation to their relative value for seed the wise disa-

Not so, however, with the grains; the best should lets are now made, but this, besides being slow and be selected for seed to secure a continuation of good tedious, did not make the shot as perfect as desired, crops. A half-century ago, our most successful The latter method is by granulation, and hitherto farmers were in the practice of selecting their seed this has been only practicable at the top of a high at harvest time; the rye, barley and oats were tower, or over a shaft sunk in the centre, so as to winnowed on the barn-floor, and the seed for the provide a vertical descent of 150 to 200 feet. The coming year was taken from the head of the heap, process is simply as follows: The lead is mixed because the grain was heavier, as they said, while with a little arsenic in a pot placed over a furnace, those who took their seed from the tail of the heap, When it becomes melted it is poured by means of had to come to their wiser neighbors every few a ladle into a colander,—a vessel made like a sieve years for seed, saying "that their seed had run with holes in the bottom—which hangs over the out." There was one man in particular, who selectspace through which the shot are to fall. To pre-ed his seed corn in his field, and at harvest time, vent the lead passing through these holes too rapid- having regard to the earliest ripe and the most perly, a layer of dross taken from the surface of the feet cars. Another man came to reside in his molten metal is spread coarsely over them. Through neighborhood and procured seed corn of this man, the bottom of the colander the drops fall in a con- and adopted his manner of selecting it, which he tinnous shower, and after their long descent are re-continued with good success, so that in unfavora-ceived into a huge basin of water. This gives them ble seasons, when corn in many fields failed to ritheir rounded form, almost all of the drops being pen, and many procured seed from the North, this perfect spheres. They are separated into their sev- man continued to raise good crops from his own eral sizes by shifting, after being thoroughly dried, seed, and remarked that the good would perpetu-

plane covered with iron is fastened with its lower lection of seeds, we should not hear the complaints

INJURY TO THE WHEAT CROP.

The heavy rains of the past fortnight are rethe outside grains are sprouted, but the inside of ported to have done great injury to the wheat the pile is uninjured.

"The Danubian wheat boats are without roofs; which are of interest, and which show that there is land. but little real cause for alarm :-

ficult to determine, as farmers have no precedent to are not likely to be destitute of wheat. eame somewhat later.

"That year the wheat was mostly cut, and in There is no prospect of a famine." shocks in the field or in stacks. In the great wheat regions of Ohio, Indiana and Illinois, the farmers quite generally declared the crop to be totally ruined. In some fields it did look so, for when it was uncut the yellow heads assumed a green shade, and the shocks and stalks became as green on the surface as the adjoining pastures. In due time, however, the raining period was over, the sprouts died, the standing grain was cut, the shocks stacked or threshed; the stacks lost their bright yellow hue and stood a rusty-looking mass of dry, weatherbeaten straw; and yet - mark the result-the wheat inside was as bright and sound as ever. So slight was the injury that it was hardly perceptible in the final result. The shocks and standing grain were more injured, but not ten per cent. of the grain

was destroyed. "When wheat is sprouted, a good winnowing machine will remove most of the injured kernels, which make excellent feed for animals. If there be a predominance of sprouted grains in the grist that goes to mill, it is not spoiled for food; it is only spoiled for light bread. The dough, instead of rising by the ordinary process, has a tendency to liquify and spread out and form a sticking mass, that will not be kneaded into loaves. It makes good unleavened bread, and is quite nutritious, with a sweetish taste. By many persons, bread made of sprouted wheat is preferred, but in market the least appearance of grown kernels will injure the Some millers even contend that one per cent, of such kernels will injure the quality of the whole. It is therefore important to the farmer that he should be very careful to keep the sprouted sheaves separate from the sound, and should also separate the sound from the unsound grain in win-

nowing, as far as possible. The injury of rain upon wheat is quite over-rated in this country, because we are not well used to it our harvest weather being usually so fine that the straw retains its golden brightness till it has been threshed. Not so in England. There the will have the presence of mind to clasp the hands

through a long rain, and if a warm one, some of

crop in New York and Michigan. In many fields the grain is piled up in a heap rounded on top, and the grain is said to be sprouting in the field, and exposed to all the rains that fall during a leng in some instances to have grown so badly as to be voyage. If the weather be warm, the outside grows and mats together some inches deep, and that prospoiled. The damage, however, is probably over-teets the remainder. The worst of the spronted estimated. The following paragraphs from the part is only fit for beasts, while that but slightly New York Tribune, give some facts in the case sprouted sells as food for man, and that below the wetted crust is fit for shipment to France or Eng-

"We have no doubt that the grain is injured by "Let us look at the prospect fairly. There is no the present wet spell, but it is not utterly ruinous. disputing the fact that in all the wheat region north We may doubt whether farmers do not gain more of lat. 41 degrees the wheat, either cut or uncut, is in other crops than they will lose in wheat by the badly sprouted. How great the damage is it is dif-rains. Meantime let us console ourselves that we A trustjudge by, not having had such a season for several worthy writer makes an estimate that Ohio will years. Indeed, we remember only one—it was in yield the present season twenty-two millions of the year 1836, though the worst of wet weather bushels; Illinois, eighteen millions; Wisconsin, ten millions; and Pennsylvania twenty millions.

ONE BY ONE.

One by one the sands are flowing, One by one the moments fall; Some are coming, some are going, Do not strive to grasp them all.

One by one thy duties wait thee, Let thy whole strength go to each : Let no future dreams clate thee, Learn thou first what these can teach.

One by one (bright gifts from Heaven) Joys are sent thee here below; Take them readily when given, Ready too to let them go.

One by one thy griefs shall meet thee, Do not fear an armed band; One will fade as others greet thee, Shadows passing through the land.

Do not look at life's long sorrow; See how small each moment's pain; God will help thee for to-morrow, Every day begin again.

Every hour that fleets so slowly, Has its task to do or bear; Luminous the crown, and holy, If thou set each gem with care.

Do not linger with regretting, Or for passing hours despond! Nor, thy daily toil forgetting, Look too eagerly beyond.

Hours are golden links, God's token, Reaching Heaven; but one by one Take them, lest the chain be broken Ere the pilgrimage be done.

Household Words.

rains are often so incessant that sprouted wheat is behind the back, and turn the face toward the zenith, rains are often so meessant that sphouted wheat is beinnut the back, and the husiness of shocking for may float in tolerably still water—ay, and sleep there, stacking the sheaves is an art that commands higher wages than reaping. There the stacks are always that sheat the process them from strength on would escape drowning when you find yourself may that sheat the process of the ways thatched to preserve them from sprouting on the outside, and often built hollow to dry them on the inside. In this country we are much more careless. Our wheat is often exposed to complete soakings. Much of that grown in the West is threshed on the ground, and often lies in a pile hands and down you go; turning up the handle tips over the pitcher. Having had the happiness to pre- ing regulations, shall, on the day appointed, be exvent one or two from drowning by this simple in- amined by the Faculty and board of examination, struction, we publish it for the benefit of all who ei- on the various branches of Veterinary Science. ther love aquatic sports or dread them.

BOSTON VETERINARY INSTITUE.

The Legislature of Massachusetts at its last sesinstitution for the advancement of veterinary knowl- the President, Faculty, and Examiners. Should edge, subject to the statute regulations pertaining the decision be unfavorable, the candidate must to other universities in the Commonwealth. organization under the charter has been effected by deficient, and present himself for re-examination at the choice of the following officers:-William S. such time as the Faculty shall direct.-Granite King, Chairman of the corporation; John P. Jew-ett, Treasurer; C. L. Flint, Secretary; D. D. Slade, President of the Institute; George H. Dadd, Professor of Anatomy and Physiology; Charles M. Wood, Professor of Theory and Practice; Robert Wood, Professor of Cattle Pathology, with a Board of Examiners and References from various sections of the country.

The first session of the Institute will commence on the first Monday in November, and continue four months. Tickets for a full course, \$75, inclu-

on Chemistry.

Anatomy and Physiology will lecture on the various guage it to run 5½ to 6 inches in depth and turn tissues, organs and structures of the body of the Horse; demonstrating at the same time their mechanical and vital properties, their adaptation, design and functions; their position, dimensions, con- to a load goes 162 rods) of compost to the acre, sign and innections; their position, dimensions, con-nection and organization; which will be illustrated two loads of which should be equal to one of best by means of the French model, skeletons, dia-luaru-yard manure, and with harrow or cultivator by means of the French model, skeletons, diagrams, and by wet and dry preparations; an extensive collection of which has been secured.

The Professor of Theory and Practice will lec-Pathology, and on the history and treatment of dis-

and mode of administration.

The Professor of Cattle Pathology will lecture to their peculiar organizations.

Faculty on cases that occur in their practice. fact, every arrangement will be made to seeme a thorough and scientific course of instruction.

CONDITIONS OF GRADUATION.—1. The course of tion of its working, so far as my land in concerned.

instruction shall occupy a period of three years. 2. Each candidate shall furnish evidence that he

is twenty-one years old.

3. He shall have attended two full courses of Lectures; one of which, however, may take place in any other incorporated university.

4. He shall satisfy the Faculty that he has had the advantages of a common school education.

5. He shall furnish satisfactory proof that he has been engaged in the study of medicine during a period not less than twelve months, under the diwill be considered satisfactory proof of the fact.

his term of study, tickets to Lectures, &c.

the close of such examination, the decision of the Faculty and examiners shall be declared; if favorable, it shall be recorded by the Dean, and the several candidates are then entitled to the degree of V. S., and shall be furnished with a Diploma bearsion granted a charter for the establishment of an ing the seal of the Institute and the signatures of An qualify himself in whatever branch he appears to be

For the New England Farmer.

SEEDING DOWN TO GRASS WITH TURNIPS.

Mr. Editor: — As it is now settled beyond a doubt that we shall get a light crop of hay, I propose to my brother farmers a way to supply the deficiency, in part, that is not generally practiced, and is, withal, cheap, which is an important considerading the privilege of a course at Harvard Universition, in these times. Now for the way: take a ty Medical College, on Pathological Anatomy and piece of moist land that needs seeding to grass, obton Chemistry. LECTURES OF THE FACULTY.—The Professor of plow, (or any other good pattern, same size,) and flat. After plowing what you wish, or have manure to dress, mark off with plow or chain into square rods, and spread twenty-seven ox loads (6 squares every acre of land sow one peck of herds-grass, one bushel of red-top and two ounces of flat turnip seed, ture on the general principles of Therapeutics and and mix all thoroughly together before sowing; after which roll or brush the seed in. For the last eases of the horse. He will describe the various five years I have plowed with a small plow from 52 remedies used; point out their medicinal properties; to 6 inches in depth, with two horses or one pair of eattle alone, instead of four eattle, and a great plow running 9 to 10 inches, and a driver, &c. My grass on the various diseases of Neat Stock; the treat-ment of the same; and the remedies best adapted a greater quantity of hay than I did upon land of same quality, with more manure and more labor, ex-Clinical lectures will occasionally be given by the pense and trouble, in preparing the same for seed.

This, I know, is not the theory of most writing farmers, was not the theory of my earlier efforts at farming, but is the result of a practical demonstra-

The land prepared as above, if sown before the 10th of next month, will yield from 75 to 125 bushels of turnips to the acre, sufficient to pay all expense, and as it is no injury to the grass that is to come after, it is surprising that they are not more generally cultivated.

Concord, July 28, 1855.

Farmers' High School in Pennsylvania.— We learn from the Repository and Whig, that provision is being made for the organization and manrection of a medical practioner, whose certificate agement of a Farmers' High School in Pennsylvamia, in accordance with an act of incorporation, re-6. The caudidate for examination shall, previous cently passed by the Legislature of that State. The to the time appointed, notify the Dean of his in-Trustees are empowered to make choice of a suitatention, and furnish the documentary evidence of ble location, embracing not less than two hundred nor more than two thousand acres; and also to The candidate having complied with the preced-|choose a principal and other officers and assistants

Society is authorized to appropriate any sum, not may require it; and also to make annual appropri- continued, had the pasture remained unplowed? ations, according to the extent of its resources. Alby gentlemen in different parts of the State, and other lands offered at reduced prices .- . American Agriculturist.

EXTRACTS AND REPLIES.

COCK'S-FOOT THORN.

Enclosed you will find the leaf, flower and a spine of a species of thorn, which I think would make a valuable hedge plant, as it grows spontaneously on a variety of soils, makes a thick growth, and is covered with an abundance of formidable spines. Fith-know what kind of a fence would be the cheapest er this species of thorn is not described in Mrs. Lin- and most durable. I should like to have a hedge coln's Botany, or my limited knowledge of the subject prevents me from identifying it; and you will botanical name, if you receive the flowers in a condition to ascertain it. And if you are already acquainted with it, will you inform us whether it has the above little farm. ever been tried as a hedge plant.

The fruit is about half an inch in diameter, very much resembling a small red apple, and is borne in tree at a distance. In its natural state, the tree

grows from ten to fifteen feet high.

Ŵм. F. Bassett. Ashfield, 1855.

Remarks.—The plant spoken of is the Cratagus Crus-galli, or Cock's-foot thorn. Thorny, leaves wedge obovate, subsessile, shining, leathery, corymbs compound; leaflets of the ealyx lanceolate sub-serrate. We have never known it used as a hedge plant, but think it would answer the purpose well.

APPLE SEEDS.

How long do apple seeds retain their vitality? Where can a bushel of them be purchased, and what is the cost per bushel? M. M. J.

Hillsboro' Bridge, N. H.

Remarks.—We presume there is no limit to the duration of vitality in seeds of all kinds, if they are always preserved in proper condition. It is com- the same condition. Does any one know? If so, monly said that parsnip seed will not come if more we trust he will reply. than one year old; yet we have sown when three years old, and it came well. It has been satisfactorily proved that wheat taken from the body of an ily as though it had been there but one year. It care of himself, but he also fulfills a social duty.neither so dry as to shrivel it too much, nor so moist and warm as to excite it to germination. condition in which they are kept.

pasture which had been fed continuously for twen-the first moral and physical duty of human bebeen scarcely a mullein to be seen. Yet with the is akin to godliness. We would not give much for

of suitable practical and scientific attainments, as grass that came, there was such a crop of mulleins, well as make whatever arrangements the nature of seattered over the pasture, as we never saw before. the Institute may require. The State Agricultural How long had the seed remained there, inert, in exceeding ten thousand dollars, whenever the school the soil? And how long would it, probably, have

Experienced nurserymen, however, tell us that ready liberal donations of land have been proffered apple seed cannot safely be relied on after the first year, though we do not know that the experiment has ever been fairly tried, of keeping the seed with particular care for the purpose of planting.

> Apple seed may be obtained, at the proper season, at most of our seed stores, and are worth about twenty dollars per bushel.

A CHEAP FENCE.

I have a 14 acre lot to fence, and would like to fence, if they did not cost too much. Please send me word what kind of hedging would be the best, much oblige several of your readers by giving its and what it will cost per rod at the nursery. Please answer the above questions through your valuable paper, the reading of which has induced me to buy A Beginner.

Amesbury Mills, Mass., 1855.

Remarks. — In a location as long settled as such profusion as to give a red color to the whole Amesbury, and where timber is probably searce and high, we believe a wire fence may be constructed at a less cost than any other, and will last a lifetime. Use No. 6 wire of the best kind. Set a post 6 or 8 inches square, 5 feet into the ground, at each corner, and brace well; then bore the holes for the wires to pass through so close together as to bring the wires near enough to keep out whatever is to come against it.

BARREN QUINCE TREES.

I have a number of quince trees, seven or eight years old, and they have blossomed every year for four years, and I have no fruit. They are of good size and growth. Now I wish to know the cause of this; and how they may be made to fruit.

Holliston, July, 1855.

Remarks.—Cannot tell you—we have some in

THE DUTY OF BEING CLEAN.

The care of the person is the beginning of good Egyptian mummy, where it had been deposited for manners. Every one not only consults his own three thousand years, germinated, and grew as read-well being, his dignity, and employment, by his was in a condition to keep it in a perfect state— Every one shound do the later was a condition to keep it in a perfect state— for his own sake, and to avoid giving pain to, or to Every one should do the best he can for himself, so, promote the happiness of others.

We enter here upon delicate ground; but the this be so, the vitality of seeds depends upon the reader will see its necessity, and excuse our plainness of speech. We must run the risk of exciting A year or two since, we plowed a portion of a a feeling of disgust in some readers, that we may

ty-five years, and upon and around which there had ing is to be clean. Cleanliness, the apostle says,

the godliness of any man or woman who was not general use on extended farms. I am not prepared cleanly. Filth is a violation of the rights of sever- to say, what kind of machine is entitled to preferal of the senses. We see it; we feel it; sometimes ence—though from what I have seen I think there we may be cheated into tasting it; and we smell it is a decided preference in the cutting principle terribly. In all ways, and under all conditions, it applied to different machines. There is much reais vile and bad, ill-mannered and immoral.

First of all, then, and above all, and as the prime ish of the machines. condition of all excellence of character and beauty of life, O, be thoroughly and perfectly clean! The human organism is so constituted that no person ean be absolutely clean without washing the 'whole surface of the body every day. Millions of pores are constantly exuding waste matter from the body. This matter, if allowed to remain, is filth; in any short chapter on Toads. cause of typhus and similar diseases.

arms and on the feet, it collects rapidly, and in a lary of opprobious terms for a suitable name for any few hours has an offensive odor.

feet and gathered perspiration. We smell it every-their crops, have been wont to rudely thrust it aside where—at theatres and balls, in steamboat cabins with their hoes, as a useless reptile, wondering for ing and disgusting fact of personal uncleanliness.

violent breach of good manners.

came near a fire in a cold day, there rose from them out an advocate, odors that were not wafted from "Araby the blest." Naturalists ha

water-cure has done much for the cause of cleanli-been heaped upon him. ness in this country; but it is to be feared that Book.

For the New England Farmer.

MOWING MACHINE

periments, in the use of mowing machines, have animal, can form any correct estimate of its usefuldirected, will cut ten acres of grass, containing time, and observed that in the space of fifteen minmore than one ton to the acre, in as many success-utes, it devoured some fifteen or twenty insects, of sive hours. This shows that the labor of cutting that class too, that in the day time, lie concealed the grass can be performed, for about flfty cents per from the observations of the birds, but at night go the ordinary way by seythes. All that is wanted to lay waste the gardener's toil. It would be a matnow is, that they be made in a faithful manner of ter of economy for those who till the ground, to good material, and they will inevitably come into provide the toad with a suitable place for retreat in

son for complaint of the bad material and bad fin-Respectfully yours,

Essex. July 20, 1855.

TOADS.

[BUFO VULGARIS.]

Mr. Brown:—Permit me to give your readers a

considerable quantity it is poison. Retained in the system, it is matter of disease, and is the efficient inhabitants," this little creature has been under the ban, a source of terror to every little Miss, an object It is not enough to change the under garments of disgust to maids and matrons, a by-word and term often. Much is carried away, but much also ad- of reproach for every old aunt and grandma, in the heres. In certain parts of the body, as under the land, who would never seek farther in their vocabulittle urehin, than to call him a "little nasty toad." Cleanly persons have acute senses. I know la-Boys have made it their sport, have pelted it with dies who can tell whether a person bathes daily the stones, pierced it through and through with sharp moment he comes into the room. Many an ex-sticks, substituted it in the place of a ball, upon a pensively dressed man scents a parlor as soon as he bat board, throwing it high into the air, and exultenters it, with the disgusting odor of his unwashed ing in its torture; and even men in the field, hocing and omnibuses; everywhere we meet this mortifying and disgusting fact of personal uncleanliness. been created. The Toad has been accused of being It is mixed with tobacco, it is mingled with per- a venomous reptile, a fit object of dread, a poisoner fumes; but these do not help it. The execuble of choice garden plants, deserving banishment from filth is there, poisoning the atmosphere. The wise every one's premises, and fit only to inhabit an Swedenborg tells us that the wicked love the seent uninhabitable morass or desert. The toad has, of their own hells. People, whose senses are blun-however, occasionally been brought into respectable ted by custom, are unconscious of their personal notice by curiosity hunters, and newspaper paraconditions, but they are always liable to meet those graph writers, whenever he has chanced to have to whom their lack of the first decency of life is a been found in a torpid state in the cavity of a rock, or in the trunk of a tree, in which cases, an antiquity Ladies, it is a pity that one should be obliged to has been ascribed to it equal to that of Egyptian write and print so impolite a thing, but it is true Mummies, or perhaps set down as of antediluvian that you are not always careful enough of the purity origin. In this manner poor toady has gone the of your clothing. You may be nice in your persons rounds of newspaper notoriety, not for any merit of for the honor of all womanhood I hope so—but value it might have possessed, but as a matter of I have met women of beauty and accomplishment mere curiosity. But this poor and despised creawho dressed with great elegance, but when they ture has not been left entirely friendless, nor with-

Naturalists have placed him in the scale of useful-The English papers call their "lower orders" the ness where he belongs, and have shown that he is "great unwashed." The circulation of works on not deserving the very many opprobriums that have

To the gardener the toad is a very useful assistant, there are here, as well as in Europe, vast numbers as it devours a great number of insects and worms who merit this designation.—Illustrated Manners that prevupon the plants. In the dark of the evening, the toad comes forth from his hiding place, and commences its work of extermination. Noiselessly it passes through the garden, regaling itself upon the insects that have just begun their nocturnal work upon the tender plants. No one but those Editor of N. E. Farmer:—Sir.—Recent ex-who have observed the movements of this little demonstrated that one machine, well harnessed and ness. A few evenings since, I watched one a short ton—less than one-half the expense of cutting in forth in armies to carry on their work of destruction,

the day time, thus virtually saying to him: "my amounts of rent are payable in wheat, or a cash

all I can for your comfort."

eare for his preservation, the toad will become quite is probably the most reliably correct of any record domesticated, and will continue his valuable work, that can be obtained. The list commences in 1793, for years, simply for his "board and lodging." when the price was 75 cents a bushel—only five Those who wantonly destroy the toad, should be times in the sixty-one years wheat has been \$2 or classed with those who kill harmless and useful

county, observed one day, in the hall of the house, a onee in thirty-seven years, that is since 1817, to wit large toad, leaping along in an orderly and moder-in 1837, has it reached \$2. The average price for ate way towards the dining-room door. It entered the whole period is \$1.38. For the last 30 years the room and took a circuit around, then stationed it is \$1.25. all day; whenever a fly came near enough he would eatch it, and as this was quite often, the work of extermination went on bravely; sometimes he would His message to the flies, as near as can be ascertained, was, "Come, and I'll take you;" they came, were seen, and were swallowed. The enemy being urge this class of farmers, first, to expend their immensely numerous, the war was carried on in the labor and their fertilizers upon a much smaller in skylarking.

a very slippery antagonist; whenever anything was money will be wasted upon them. said to him by any person passing his stand, his we say to such farmers, in the second place, you eyes would twinkle in a very pleasant way. The can do more than you have done in the preparation only we pon he ever used was his tongue, which of various composts. There are very few farmers was very long and rough. The human tongue is who can not double and treble the quantity and value known to be an exceedingly formidable weapon, but of these necessary means of restoring vigor to wormno one has been known to be swallowed outright by out and barren soils. By diminishing the extent its means, though a great many have been taken in. of surface under cultivation, and by proper industry

would be condemned and executed instantly.

had the advantage of the toad, for he could "smell ductive, the hopes and courage of the farmer will a puritan a mile off," he said, while the toad lad no be thereby excited, and he will stand up manfully sense of smell apparently, but was in point of praetice all tongue.—Ohio Farmer.

Magazine publishes a table of the price of wheat at Albany, on the first day of January for sixty-one after it is tolerably dry, peat or marl from the bog;

dear little fellow, I value your services, and will do equivalent, on the first of January each year; and With a proper appreciation for his services, and as two parties are deeply interested in the price, it upward, per bushel, while it was seventeen times at Some years ago a family in Braceville, Trumbull \$1 or under—twice at seventy-five cents. Only

ECONOMIC CULTIVATION.

We have repeatedly seated ourselves with the inspring up a foot or more for a fly upon the wall. tent of writing upon the best mode of cultivating At sundown he went out to enjoy the refreshing the various crops, and almost as often have we actucoolness of the evening, and probably the society of ally had our attention turned to and written upon his kindred. The next day, to the surprise of the some other topic. The reason is this: No one, family, he came in and took the same place by the except the favored few who have all the means at door, and so continued to do during the whole sum-command needful in earrying out their plans of mer. The family whose premises were so uncerefarm operations, can do half as well as they know monionsly occupied, being aware of the useful and how to do. Their land is poor, and they have not harmless nature of their visitor, and being curious the means of enriching it. Tell a man that a purse to learn its habits, allowed it to remain. Thus the full of gold is only an inch beyond his utmost reach, toad carried on the war against the flies, until au- and you do him no good but to excite feelings of tumn, when they, having become greatly reduced in discontent and envy, and even lead him to forego numbers, and it being difficult for him any longer certain improvements which are within his reach, to obtain supplies by forage, he concluded to go into because they pay so little compared with what he is "winter quarters." Immediately on the opening of really anxious but unable to do. Poverty is a territhe spring campaign, however, he was at his old post. ble burden, and nowhere is it felt more than among

same way, and in the same place, for six years, the quantity of land than is usually done. Inste d of toad meanwhile having grown strong and increased planting five acres of corn, plant two, or even one; in stature, and having regularly spent every night and plow and cultivate this small field to the entire skylarking.

neglect, if need be, of other acres. If those lie falHe was cool and prompt in action, and moreover low it will be useful to the soil, and at least no

Sometimes a fly would light within a foot of in preparing composts, there is scarcely a farm in toady, and sit rubbing its miraculous little feet with the country that can not be made to produce its great delight apparently, when the toad, imitating sixty, and seventy, and eighty bushels of corn to the the notorious Jeffreys, would "give him a lick with acre. And even though one acre only is brought the rough side of his tongue," and the poor fly up to this desirable condition, a series of years will suffice to bring the whole farm to a high state of In one respect, however, the immortal Jeffreys cultivation. If only small fields are made thus pro-

We would NOT advise farmers of limited means to buy guano nor phosphates at anything like their present prices. Pay your poorer neighbor his six THE PRICE OF WHEAT .- Hunt's Merchants or eight shillings a day (if you cannot exchange years. It is from the minutes kept at the office of and if you can buy barn-yard manures, mix them the Van Rensselaer Manor, at Albany, where large with turfs, sods, roots, weeds, dirty straw, spoilt hay, chips that are unfit to burn; and if you are convel the animal sweats freely, the skin being tender is mently situated for it, get sea-weeds from the sea-scalded, and then galled. Board animals are of great value. The offal from application, that will toughen the skin before use, a slaughter-house, worthless scraps of hides, BONES, and prevent inflammatory action when used, is what etc., etc., should be used only with large quantities is needed for the work horse. From long expeof common soil, or of some other solvent. Not one rience, I have found these results to follow the use in a hundred turns to the best account the contents of spirits saturated with alum. I keep a bottle of of privies, hog-pens, soap-suds, and other kinds of alum and whiskey in the stable, and bathe the part waste.

so severely by neglecting any of these modes of im- their spring work, and also along through the seaproving your lands? It may be only such neglect son occasionally, when there is special danger of that keeps you in poverty; and though you enter scalding the breast. I have thus passed entire seaupon the work with many painful doubts in relation to the result, we will assure you against loss teams in farming uses, and have not lost the service

operation for the next year. On every leisure day, constant use. let the time be occupied in these preparatory labors. Every hour thus spent is worth something, and will highly recommended is the application of white lead, tend to fill your purse at the time of harvest.

value, as a whole, would be more than double.

where shall they be used? Perhaps we are unable But I consider this tanning the skin into leather, to give the information that many would desire, for while on the horse's careass, to be a tough business, reasons suggested in the last number. Perhaps you to say the least.—Wool Grower. have an enclosure that for many years produced very large crops, and you just looked on and watched your opportunity to take from it the most you could get, returning nothing to it. It may be that it is so situated that it is almost able to take care of itself, like much of the interval on the Connecticut, which is annually enriched by being overflowed. If this is so, we should labor to hasten this process of improvement, and should do all in our power to get this soil back into the condition of a fertile field. When this is accomplished, take the next promising lot, leaving the more desperate cases to the last. When you plow your clayey grounds, fill in, without stint, a sandy compost. If the field is sandy, plow in a clay compost. This need not be a costly job, but generally is practicable for the poorest farmer. If you have a boggy meadow, a thorough ditching will be a part of the process necessary in reclaiming it, while the material thus thrown out is exactly what some other soil most needs. Compensations are not found only in the structures of animals, but they occur in almost every farm the world over.—The Plough, Loom and Anvil.

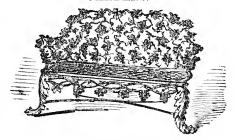
GALLS ON HORSES.

Mr. Editor:—I have noticed lately in several agricultural papers remedies suggested for galls on horses. Canal horses are more cruelly galled than horses in any other service. Generally they lie idle during the winter season. To a considerable extent, also, the horses of the farmer are but little used during the winter, especially when more than one span is employed on the farm. Ordinarily a single pair is well fed on grain so as to do the chief portion of the winter work, and the rest are kept at a cheaper rate, and do little or no work until spring. The result is, the breast and back of horses thus spring commences, and the weather is warm and 8 to 10 cents.

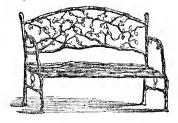
pressed by the hames, or breast-collar, and also the Pardon us for asking why will you tax yourselves back, for several days, before the horses commence from any such operations, if conducted with tolerable of a horse a single day, for years together, on acdiscretion. This remedy will en-Now is the time to commence this system of able a sore to heal, although the animal continues in

Now the remedy I have seen most frequently and in some form or other, to the injured part. I have Almost all farmers sadly neglect their barn-yard at an early period tried this remedy—have used it Were these properly cared for, their when I knew nothing better—but dislike it much. It answers the purpose, I acknowledge,—makes a Having thus suggested the means by which man-hard, tough seab or incrustation on the sore, likely ures may be provided, the next inquiry is, how and to terminate in a white spot, if the hair ever grows.

IRON SETTEES FOR PIAZZAS AND GARDENS.



The first engraving represents a fancy pattern Settee for Piazzas; there are a variety of sizes and patterns, some very heavy and rich; the second, represents a Rustic Settee for gardens; there are two sizes, designed for two or three persons. These Settees are for sale by Ruggles, Nourse, Mason & Co., Quincy Hall.



Butter is selling in different parts of Ohio at idle become tender, and when the hard work of from 10 to 13 cents; cheese 6 to 8 cents; and eggs For the New England Farmer.

WASHINGTON AS AN AGRICULTURIST.

BY FREDERICK HOLBROOK.

We might almost say that the wealth of our language has been exhausted, in the many efforts which have been made delineating those qualities of goodness and greatness which formed the character of Washington; and yet we all feel that his merits and virtues have not been overstated, that he is the peculiar ornament of human nature, and by universal consent, "the father of his country." He has perhaps been most commonly viewed in the light of his military and civil services; but an examination of his habits and sentiments as connected with farming, whether in a public or private character, shows him in quite another light, and in this view we feel that he is entitled to the peculiar regard of the agricultural community.

A friend recently sent me a volume of Washington's letters to Sir John Sinclair, of England,—the perusal of which led me to realize more fully than ever before the great predilections of their illustrious author for the pursuits of agriculture, and his practical acquaintance with its principles; and induced me to examine other publications within correspondents came new and desirable field and reach, which disclose his connection with the subject. The volume of letters to Sinclair contains ing his operations—the country being then too about fifty pages in quarto or letter-sheet form, the young to furnish such helps; also, from the same contents being engraved from the original letters, source, the works of the best British writers on agso as to be an exact fac simile of Washington's riculture, which he attentively studied, drawing handwriting. They represent a very round, full and from them such principles as could be advantalegible hand, read with entire case at first sight. geously applied in his farming, and which his emi-The letters are models of a good epistolary style of nently sagacious mind knew how to draw out and composition, expressing the views of the author reduce to practice. It was his habit to rise early, with eminent propriety, discrimination and sound despatch necessary letters before breakfast, and sense, and disclosing an intimate knowledge of the that meal finished, to mount his horse and ride over subjects discussed. They are particularly honora-the farms, giving directions for the operations of ble to the author, as coming from him while chief the day. He kept a diary for several years, in magistrate of the United States, at a time when which was noted the kind and quantity of work everything connected with the administration of the done each day on the farms; the times of planting government was new and untried, and to be wrought or sowing the fields; of gathering the crops; the out and established without the aid of precedent, expenses of cultivating, and the product of each making his public labors most arduous and inces-crop, with the balance for or against each field in a sant; and when most other public men would have given year; and every other circumstance which found no time for such a correspondence, or would would enable him to draw useful conclusions about perhaps have deemed the subjects discussed be-the details of cultivation and to enlarge his knowlneath their notice.

my, he committed the care of his estates to a rela-this country and Great Britain, distinguished by tive in whom he reposed special confidence. He|their knowledge of such matters, as well as entergave full and minute directions for the conduct of tained many such at his house; and his thoughts the farming, taking away with him drawings and never flowed more enthusiastically, nor his pen more charts of each farm and subdivided field, and leav-forcibly and practically, than when writing on these ing duplicates with his superintendent, so that in fu-subjects, speaking of his fondness for agricultural ture correspondence particular references might be pursuits, and of their claims not only upon the inmade to any portions of the estates, and be readily telligent citizen, but upon the statesman and patriot. understood by both parties. In the midst of the In these, to him, delightful occupations, he fondly most stirring and eventful scenes of the war, his hoped to pass the remnant of his life. Writing to mind constantly reverted to his farms at Mount Ver- Lafayette during this period, he remarks :- "I am be-

non; and he kept up a frequent and systematic correspondence with his superintendent, giving the most particular directions about the farming, and requiring, in return, full and regular reports of operations, of the condition of the laborers and the stock, the products raised, expenses incurred, and other matters of interest.

At the close of the war, and immediately on resigning his commission in the army, he returned to Mount Vernon, with the determination to pass the remainder of life in rural occupations and enjoyments. He at once engaged most zealously in the improvement of his farming and his breeds of domestic animals; in fitting up the farm-buildings; adorning the grounds around the mansion-house with trees and shrubs, and by laying out tasteful walks; arranging anew the vegetable garden; pruning and training the orchards with his own hands; replenishing the orchards, gardens and green-houses with new and rare varieties of trees, vegetables, shrubs, and flowering plants, procured in this and foreign countries. Through his correspondents in Great Britain, he obtained skilful gardeners and farmers to assist him; also through those other seeds, farm implements and tools for conductedge of farming by experience. He engaged in cor-When Washington assumed command of the ar- respondence upon agricultural topics with men in

come a private citizen on the banks of the Potomac; ing them down when in blossom, and sowing wheat and under the shadow of my own vine and my own on the land in the fall. fig-tree, free from the bustle of a camp, and the busy scenes of public life, I am solacing myself with those the period of retirement after the close of the war tranquil enjoyments, of which the soldier, who is is very interesting, and shows the ardor with which ever in pursuit of fame, the statesman, whose watch- he engaged in farming. My limits will not allow ful days and sleepless nights are spont in devising me to go much into this view of him, but I canschemes to promote the welfare of his own, per- not forbear showing a little of it. haps the ruin of other countries, as if this globe were insufficient for us all, and the courtier, who is marks, "that he has long been convinced that the always watching the countenance of his prince, in bed of the Potomac before his door contains an inhopes of eatching a gracious smile, can have very exhaustible fund of manure; and that if he could little conception. I have not only retired from all adopt an easy, simple and expeditious method of public employments, but I am retiring within my-raising and taking it to the land, it might be conself, and shall be able to view the solitary walk, and verted to useful purposes." He then inquires with tread the paths of private life, with a heartfelt satis- particularity about a machine recently invented, faction. Envious of none, I am determined to be which his friend knows all about, and which he pleased with all; and this, my dear friend, being the thinks may be adapted to his purpose for raising order of my march, I will move gently down the the mud into seows, in which it could be floated to stream of life, until I sleep with my fathers."

The Mount Vernon estates consisted of five farms—Mansion House Farm; Union Farm; Dogue Run Farm; Muddy Hole Farm, and River Farm; —containing in all over 3500 acres of arable land, besides large tracts of woodland. Washington employed his talent as a practical surveyor in dividing these farms into regular fields, which were all numbered, and their area of acres ascertained.

Field-books were prepared, in which with his own hands, were placed nicely-drawn plans and charts of the farms and their subdivision into fields. He carefully studied a rotation of crops best adapted to his lands, and varying on the different farms and fields of a farm, to suit their respective peculiarities of soil; and by various practical trials and observation of results, at length established a system of cropping which was adhered to, with but slight variations, through life. Tables were prepared of the rotation of crops to be practiced on each field, and showing what particular erop was to be cultivated on a given field for years ahead; underneath the table of crops, was another stating the probable average time necessary for plowing, harrowing, planting and sowing, the cost of after cultivation, of harvesting; then below an estimate of the probable average product, and the proceeds above the cost of each erop; and a note at the foot of the page, explained briefly wherein that particular rotation of crops was best adapted to the field on which it was practiced. He availed himself of Great Britain, and which must have been greatly every means at command for increasing the quantity of manures, by raising rich mud from the bed of is gaining ground around him; and states that creeks running through the estates, by digging mud from the swamps and marshy places, by the gathering of leaves and all waste vegetable substances, carrying the materials to the yards and pens to be that in a few years more they will "make a more mingled with the manure. He also experimented respectable figure as farmers than they have hitherwith various green erops, plowed under for fertilizing the land, and established the practice of plowing in two crops of buckwheat in one season, turn-"The agriculture of this country is indeed low; and

Washington's agricultural correspondence during

In a letter to a friend, Sept. 20, 1785, he rethe shore.

He frequently corresponds with Arthur Young, of England, who had kindly offered to supply him with men for his farming and gardening, with cattle, implements and tools, seeds and books, or anything else that might contribute to his wants and his rural amusements. Washington often remarks to his correspondent, upon the satisfaction he derives from his pursuits at Mount Vernon, and generally requests seeds, books and implements to be sent to him. In one letter he orders two plows of the most approved construction, and suitable for two horses, and remarks that he has been using the Rotherham patent plow from England, and likes it much; he also orders a great variety of seeds, and inquires for suitable English and Scotch farmers to manage his laborers and stock at Mount Vernon; also desires from Mr. Young a plan of the most complete and useful farm-yard, comprehending barns and every appurtenance with which he is familiar. In a subsequent letter acknowledging receipt of the articles ordered, he remarks "that the plows have been tried and are satisfactory, and that the plan of a farm-yard and buildings sent is an excellent one, and he is already preparing materials to build agreeable to the plan." He further remarks upon the need of improvement in the farming in Virginia, and thinks that the system of husbandry which has been found so beneficial in promoted by Mr. Young's "Annals of Agriculture," there are several, among whom he classes himself, who are endeavoring to get into a regular and systematic course of manuring and cropping, and hopes to done."

To Wm. Strickland, of England, he remarks:

the primary cause of its being so is, that instead of ings, eare of tools and carts, preparations of maimproving a little ground well, we attempt too nures, and every minutize of farming. I would much and do it ill. A half, a third, or even a fourth like to give a sketch of one or more of these masof what we mangle, well wrought and properly terly productions, but want of space forbids. Sufdressed, would produce more than the whole under fice it to say, that they possess to my mind very our system of management.

which is to show what improvements may be made and engaged in such public labors. The like of in stock in this country by proper care and feeding, them, considering all these things, cannot be found he states that after the Peace of Paris in 1783, and elsewhere. his return to farming, he paid particular attention to the improvement of his sheep, (of which he usuvears Washington held the office of President, that ally kept from seven to eight hundred;) that by his correspondence with Sir John Sinclair was conthis attention, at the shearing of 1789, the fleeces ducted. The correspondence commenced soon afhad increased from 2½ lbs. to the average quantity ter the establishment of the British Board of Agriof 54 lbs. of wool—a fleece of which, promiscuously culture, in which enterprise Sinclair was a princitaken, he sent to Arthur Young, who put it into the pal actor. The correspondence dwelt largely on hands of manufacturers for examination, and they the operations of the British Board, on the imporpronounced it equal in quality to the Kentish wool. tant results flowing and to flow therefrom to Great He then goes on to cite instances of greatly in-Britain and all other countries. Washington's mind ereased weight of beef cattle, by means of attention at once caught the enthusiasm of Sinclair and his to breeding and to pastures.

the United States, he frequently alludes in corres-urging them to furnish reports to the Board on pondence to the conflict his mind endured in decid-several important subjects. His mind was so much ing to leave his delightful employments at Mount interested in the promotion of agriculture by pub-Vernon, to launch again upon the labors and anxie-lic patronage, believing that it would add greatly ties of public life. In his Inaugural Speech to Con- to the wealth and happiness of any nation, that he gress, he feelingly says: "I was summoned by my recommended the subject to the consideration of country, whose voice I can never hear but with ven-Congress. Many of us are familiar with his memeration and love, from a retreat which I had chosen orable words on that subject, admire his foresight with the fondest predilections, and in my flattering and patriotism in framing them; but wonder at hopes, with an immutable decision, as the asylum of the apathy with which they have ever bee regardmy declining years; a retreat which was rendered ed by our legislators, from the time they were utevery day more necessary as well as more dear to tered to the present moment. Many of us believe me, by the addition of habit to inclination, and of that an establishment by Congress such as he confrequent interruptions in my health to the gradual templated, with but a very moderate appropriation, waste committed on it by time."

During the whole period of his absence on these Washington's views. public duties, he required from his manager, regu-

great interest, coming from such a source, and when In a letter to Sir John Sinclair, the drift of the writer was surrounded by such circumstances,

associates, in Board, and he corresponded with When called to assume the office of President of some of the leading agriculturists in this country, as compared with many that have been given to On leaving Mount Vernon, to enter upon the du- much less worthy objects, would have proved of ties of chief magistrate of the country, he again great and lasting value to the country. However, consigned his estates to the care of a superinten- what the general government has neglected to do, dent, leaving with the latter duplicates of his vari- in this regard, several of the States separately are ous plans, charts and tables, and very full written doing, and the benefits flowing therefrom are quite directions for the management of the farming, apparent, proving beyond doubt the correctness of

In one of these letters to Sinclair, Washington relarly once a week, a full report of proceedings and marks :- "I could not omit so favorable an opporof the condition of everything; also a weekly metunity, as the departure of Mr. Stickland anords teorological table, showing the state of the there me, of presenting my best respects to you; and my mometer each day, the direction of the wind, and sincere thanks for the views of agriculture in the state of the weather, by which, among other things, different countries of Great Britain, which you have he might form a correct judgment of the labors had the goodness to send me,—and for the Diploperformed on the farms compared with the oppor- ma (received by the hands of Mr. Day) admitting tunities afforded by the season. These reports were me a foreign honorary member of the Board of regularly answered by the President, his replies Agriculture. For this testimony of the attention often filling two or three sheets of paper, and in of that body, and for the honor it has conferred on the course of the year embracing remarks upon me, I have a high sense. From the first intimaevery field and every crop, every branch of labor, tion you were pleased to give me of this Instituthe stock of the farm, repairs of fences and build-tion, I conceived the most favorable ideas of its

utility:—and the more I have seen and reflected utes doubly to the increase of improvement, by on the plan since, the more convinced I am of its stimulating to enterprise and experiment, and by importance, in a rational point of view, not only to drawing to a common centre the results everywhere Great Britain, but to all other countries."

clair as follows:-"I know of no pursuit in which accordingly has shown that they are very cheap inmore real and important service can be rendered to struments of immense national benefits." any country, than by improving its agriculture—its breeds of useful animals—and other branches of a riculture has ever been his favorite pursuit, regrets husbandman's cares; -nor can I conceive any plan that the duties of his public station do not allow more conducive to this end than the one you have him to pay that attention to it that he could wish, introduced for bringing into view the actual state of and expresses an earnest longing for the time to them in all parts of the Kingdom; by which good arrive when he may return to Mount Vernon, and and bad habits are exhibited in a manner too plain engage in "these most agreeable and useful occuto be misconceived, for the accounts given to the pations." On retiring from his public office, in the British Board appear, in general, to be drawn up in spring of 1797, he returned to his estates on the a masterly manner, affording a fund of information Potomac, and engaged with renewed pleasure in useful in political economy—serviceable in all coun-farming. Writing to Mr. Stickland soon after his tries."

few months more, say the 3d of March next, repairing the ravages of an eight years' absence. (1797,) and the scenes of my political life will Engaging workmen of different sorts, providing close, and leave me in the shades of retirement; and looking after them, together with the necessary when, if a few years are allowed me to enjoy it attention to my farms, have occupied all my time (many I cannot expect, being upon the verge of since I have been at home. For the detailed acsixty-five,) and health is continued to me, I shall counts of your observations on the husbandry of pursue with pleasure and edification the fruits of these United States, and your reflections thereon, the exertions of the British Board for the improve- I feel myself much obliged, and shall at all times ment of agriculture; and shall have leisure, I be thankful for any suggestions on agricultural trust, to realize some of the useful discoveries which subjects which you may find leisure and inclination have been made in the science of husbandry. Un-to favor me with, as the remainder of my life, til the above period shall have arrived, and par- which in the common course of things, now in my ticularly during the present session of Congress, sixty-sixth year, cannot be of long continuance, which commenced the 5th instant, I can give but will be devoted wholly to rural and agricultural little attention to matters out of the line of my im- pursuits." mediate avocations. I did not, however, omit the oecasion, at the opening of the session, to call the this final retirement, was that life spent. Only four attention of that body to the importance of agriculture."

The following extract from his Speech to Congress, Dec. 5, 1796, contains his remarks alluded cultivation as appeared to him to need it, making to above :--

"It will not be doubted that with reference either to individual or national welfare. Agriculture is of primary importance. In proportion as nations ad- article. vance in population and other circumstances of renders the cultivation of the soil more and more an object of public patronage. Institutions for purse; and to what object can it be dedicated with greater propriety? Among the means which have been employed to this end, none have been attended with greater success than the establishment of Boards, composed of proper characters, charged with collecting and diffusing information, and enencourage and assist a spirit of discovery and im-tomatoes, well grown and fully ripe, which he

of individual skill and observation, and spreading Under date of July 20th, 1794, he writes to Sin-them thence over the whole nation. Experience

Washington often remarks to Sinclair that agretirement to private life, he says:—"At no period Again, under date Dec. 10, 1796, he says :-- "A have I been more closely employed than now, in

And so for the brief period allotted him after days previous to his death, he made out a new and elaborate plan for the management of his farms, revising and improving upon such former modes of new tables of rotation and of estimates of labor, products, &c. A sketch of these interesting documents cannot be given in this necessarily limited

I close with the brief expression of a wish that maturity, this truth becomes more apparent, and our statesmen might copy largely from the example of Washington, catching something of his earnest solicitude for the advancement of the agpromoting it grow up, supported by the public ricultural interests of the country, and not allowing mere political theories, or considerations of party, to hinder them from efforts to promote those interests. F. II.

Brattleboro', July 10, 1855.

EARLY TOMATOES.—Mr. GEORGE W. WHITE, of abled by premiums, and small pecuniary aid, to North Cambridge, left with us, July 21st, a box of provement. This species of establishment contrib- raised in the open air. He informs us that last

year, when the season was more forward, he sold a holding the labors and productions of one's own quantity as early as July 12th. The variety he hands-in overcoming difficulties, and in arriving at cultivates came from the French seed, imported certain desirable results. But, on the contrary, two or three years since, and they are prolific as well as early bearers.

For the New England Farmer.

DESIGN AND USEFULNESS OF LABOR.

BY JOHN GOLDSBURY.

From the earliest authentic history of our race, we learn that man was doomed to till the ground, it, and received instruction. Yet a little sleep, a litand to gain his subsistence by the sweat of his the slumber, a little folding of the hands to sleep: brow. This judicial sentence was pronounced upon so shall thy poverty come as one that travelleth, him in consequence of his disobedience in partaking and thy want as an armed man." of the forbidden fruit. Man was placed in "the The industrious farmer, perhaps, takes more sat-garden of Eden to dress it and to keep it;" "but is faction than any other man. His employment of the tree of the knowledge of good and evil" he gives symmetry and strength to his frame, energy Maker; he partook of the forbidden fruit, and the sion to all his faculties. He is Nature's true noblevery ground was cursed for his sake. "Therefore, man. This he manifests by his industry and persectly lead of the lead o the Lord God sent him forth from the garden of verance, no less, than by his noble character, his So he drove out the man."

have lived on the earth, through all ages, and, at the cence, yet he has not been dwarfed, either in his same time, have complied with the command to "be mental or his physical powers. He is still a man, be well for us to inquire a little into the design and place flourish and blossom as the rose." And he usefulness of man's doom in being obliged to culti- has made "the wilderness and solitary place" prohere, if we only stop to consider the nature, design necessaries and the luxuries of life. and reasonableness of his employment, or the natural effects of his labors on his character, his use-fulness and his happiness, we shall be led to con-chanic arts, of science, literature and general intellielude that, however wicked man may have been in gence,—when we see the cities and thriving towns disobeying his Maker, God has dealt with him in with which New England is filled, and reflect how great mercy, benevolence and kindness, and made rapidly the forest has given way to cultivated fields, the very labors to which he was doomed the step- and cultivated fields to busy and prosperous towns, ping-stones to his virtue and happiness.

orable employment. It is honest, because it is that a howling wilderness has been converted into a right, and because God has required it. For the fruitful field, occupied and cultivated by many milsame reason, it is honorable. It has nothing in its lions of virtuous, intelligent, enterprising and happy nature that is dishonest or dishonorable—nothing inhabitants. of man was to labor for his own good as well as the wise design and the great usefulness of labor. that of others—to gain his living by his labor. It was, therefore, not only an honest and honorable employment, but a useful one-such as conduces to health, prosperity and happiness.

The laboring man, whether he be a farmer, a have been Goldsbury. mechanic, a manufacturer, a tradesman, or a professional man, is the truly happy man. It is the very nature of labor to impart happiness to all its Wayne, Eric county, Penn., on the 27th of July.

idleness leads to poverty and wretchedness, and renders a man truly miserable. Hear the language of Solomon upon this point, who has given us a glowing description of the idle man: "I went by the field of the slothful, and by the vineyard of the man void of understanding; and lo, it was all grown over with thorns, and nettles had covered the face thereof, and the stone-wall thereof was broken down. Then I saw, and considered it well; I looked upon

The industrious farmer, perhaps, takes more satwas forbidden to eat. But man disobeyed his to his character, buoyancy to his spirits, and expan-Eden, to till the ground, from whence he was taken. pure thoughts, his sound reasoning, and his practical good sense. For, though he has been turned Whether the whole race of man could or would out of the beautiful garden of Eden and of innofruitful and multiply, and replenish the earth and possessing all the faculties and powers of a man: subdue it," without any labor in cultivating and nor yet has he been doomed to cultivate a barren subduing the ground, and rendering it fruitful, is a waste or a sandy desert, but a soil naturally rich, question which admits of some discussion, and on fruitful and productive, where, by his labor and dilwhich we do not propose to enter. But it would igence, he may make "the wilderness and solitary vate the earth in order to gain a subsistence. And ductive of all the comforts, the conveniences, the

When we look around us, even in our own land, we can hardly realize, that, in less than a hundred No one will deny that labor is an honest and hon- and fifty years, all this change has been effected,-

Labor, then, is a necessary, a useful, and a virtuthat is mean, degrading, disgraceful or derogatory; but, on the contrary, it has much that is ennobling, ous employment. God himself has shown it to be elevating and praiseworthy. Nor was it the design such, not only by requiring it of man, but by his of God, in imposing labor upon man, to degrade own labors in creating the world. According to the him, or to require him to perform a service which Bible, God labored six days, in the work of creais beneath the dignity of his character. It was not tion, which he would not have done, had labor been to degrade man, but to lift him up and make him a dishonorable or useless. From the very represenman, that he was sent forth to labor. The labor tations of the Bible, therefore,—from the example imposed upon him was a reasonable service—such of God in creating the world and all things therein, as God had a right to impose, and as man was from all that we know of the character of God, and bound in duty to perform. All that was required of his design in requiring labor of man, we infer

Warwick, 1855.

REMARKS.—In a former article by this writer, the name was printed Goldsmith, when it should

The mother of Horace Greely died at votaries. There is a real satisfaction of mind in be-The father of Mr. Greely is still living.

For the New England Farmer.

ANTIQUITY AND DIGNITY OF AGRI-CULTURE.

BY JOHN GOLDSBURY.

common pursuits of man: tilling the ground and the ornamenting of their estates constituted an imtending herds and flocks were among the first and portant part of their luxury. The grain chiefly culmost general occupations; and the knowledge, re-tivated was wheat, but of various kinds; such as lating to these subjects, was the first acquired and corn, barley, oats, &c. The breeding of cattle was the most extensive. Almost all the ancient hea- an object of attention; chiefly, oxen, horses, sheep then nations ascribe the invention and introduc-tion of agriculture in their country to some divini-Trees, also, both forest, fruit and ornamental, rety or defined sovereign. With some nations, the ceived their share of attention. Both nations were cultivation of the soil was the most common occu- acquainted with most of the various methods now pation; with others, the raising of cattle; and with practiced for propagating the different species and others, hunting and fishing. Compared with other varieties of fruit; but the culture of the vine finalmodes of subsistence, agriculture has an important by took the precedence of all other cultivation.

These nations, Greece and Rome, had various advantage in promoting various arts, because it and carry to perfection the culture of the soil.

Agriculture was, from the beginning, an honoragies may properly be adverted to as illustrating the agriculture of the Romans.

Agriculture was also held in high estimation among the Greeks. It was their most common pursuit and means of living. The boundaries of their fields were marked by stones, which served to guard the eultivators against mutual encroachments. culture of the vine and of trees was also an object of attention. The raising of cattle was a common employment, and a principal source of wealth. These employments were not considered in any way degrading or ignoble, but were exercised by persons of eminence and even by princes. From the writings of Hesiod, it is evident that agriculture was, at an early period, a subject of practical interest among the Greeks; yet the art does not appear to have been carried to very great perfection in any of the States. The soil of Attica was was prohibited. If corn-dealers combined to raise the price, they were liable to capital punishment. In order to avoid a scarcity of corn, public granaand receivers.

Agriculture, both in Greece and Rome, was held in much higher estimation than commerce, or any of the mechanic arts. The fields were chiefly possessed by respectable citizens. Many noblemen lived upon their own lands, and made the cultiva-Agriculture was one of the earliest and most tion and improvement of them a special study;

compels men to renounce a wandering life, and set- gods and goddesses whom they regarded and wortle in fixed permanent abodes; thus it increases shipped as the patrons of agriculture, the protecthe demand for conveniences, and furnishes an octors of fields, of fruits, and of flowers, and the decasion for inventions, which may help to facilitate fenders of limits. Among these were Terminus, the god of boundaries, whose peculiar province it was to mark the limits of landed property, and to ble employment among the Romans. Patricians guard and protect them; Priapus, the god of and the most distinguished citizens engaged in it, fields, of cultivated grounds and gardens; Vertum-Cincinnatus was laboring in his fields, when informed nus, the god of fruit trees, and his wife, Pomona, of his election to the dictatorship. Regulus asked the goddess of fruits and gardens; Flora and Chloleave to retire from the senate to cultivate a little ris, the goddesses of blossoms and flowers; Ferofarm, suffering from neglect. This attention to the nia, the goddess of fruits, nurseries and groves; actual cultivation of the lands, by the ablest and Pales, the goddess of pasturage and the feeding of best informed men, occasioned an advancement in flocks; Bubona, the goddess of oxen; Segetia, the the art of agriculture, such as the Greeks never at | goddess of seed planted in the earth; Hippona, There were, however, numerous works the goddess of horses; Collina, the goddess of the written in Greek on this subject. Varro mentions hills; Vallonia, the goddess of the valleys; Runabout fifty authors. But whatever might have been eina, the goddess of weeding; Volusia, the godwritten by the Greeks, the Romans were not, in dess of the growing corn; Mellona, the goddess of this branch, mere imitators or borrowers. The max-honey; Occator, the god of harrowing; Stercutius, ims and precepts, which are given by the Roman the god of manuring; and Pilumnus, the god of writers, were drawn from the experiments and ob-kneading and baking bread. Besides these, they had servations of the Romans themselves. Their prin- a great goddess by the name of *Ceres*, to whom they ciples are not extensively applicable to modern ag-ascribed the discovery of agriculture, and all subsericulture; yet their writings abound in useful hints quent improvements in husbandry. She is said to and remarks, and have always been regarded as cultivate grain, and to in-rious and interesting compositions. Virgil's Geor-struct them in all the labors pertaining to it. She have first taught men to cultivate grain, and to intravelled from country to country, and imparted her favors to all lands by giving instruction in agriculture and the use of the plow. And she associated Triptolemus with her, as a companion of her travels, and sent him over the earth, to teach husbandry, and thereby raised him to the rank of a god. To the foregoing gods and goddesses, the Greeks and Romans offered in sacrifice at stated times, not only fruits and flowers, but some of the richest productions of the earth.

Tall Herd's Grass.—We saw the other day, in the office of S. B. Phinney, Esq., Editor of the Barnstable Patriot, some herd's grass upwards of 6 feet high, a fair specimen of several acres grown upon a swamp which he had reclaimed. Friend Phinney, throw your editorial quill into the fire, and your more favorable to the production of the grape, olive, commission as Collector of the port of Barnstable, and fig, than of grain. The exportation of corn to the sharks of Barnstable Bay, and let your genius work in its natural way. Herd's grass six feet and one inch high by the acre, to say nothing of ries were kept, under the direction of purveyors the ten acres of yellow pines now ten to fifteen feet high, the seeds of which he sowed some ten years

ago! What a pity that he who can change the face has set, say twenty-four hours or more, according to of nature at will, and make the earth teem with the quality of the mortar; and are then removed its richest productions, should eramp his genius over a "political item," or over a dozen "light-houses." until the walls of the building are completed. The windows and door-frames are made and set in the Why, anybody can write an editorial, or see that same manner as they are for brick buildings; over Uncle Sam's revenue is duly collected; but who can the doors and windows is put a wood or stone lintel turn an ugly swamp inside out, and clothe it with to hold the pressure of the wall until it is dry. perennial beauty and herd's grass six feet and one inch high! He must have taken his pattern from some of those ugly customers, called sword-fish, jam. The flooring timbers are placed and anchored who perforate ships' bottoms with their noses six into the walls in the same manner as they are in feet and one inch long!

For the New England Farmer.

STONE HOUSES.

Seeing an inquiry of a "Subscriber" from Warin one instance, and which has also been successful-mode of building, and would be very glad to combe new; but still it is to some, and deserves notice for his mortar he prefers to be coarse and filled as being an attempt to solve the great problem so with small gravel stone, the largest of which should often proposed by men of moderate and humble not exceed the size of a kidney bean. Into his means, "how can we build substantially and cheap-mortar in a very thin state, when well mixed, he ly." Our forests are fast disappearing; and thorputs larger stone of various sizes. The laying of ough, substantial, well-built wood houses, will now his walls he does in the same manner as before rank among those of the first cost. True, we can stated. For his larger stone he takes any field or even now build quite cheap with wood, provided we are content to accept a building which is really case to be obtained, which are of a suitable size for cheap in all particulars. But with such structures his walls. Flat stone are always to be preferred, no man of sterling mind is at all satisfied. The but by a due admixture of round and flat stone a house built in an unsubstantial manner does the very strong wall may thus be built. For success with possessor little or no good in adding to his real this kind of wall one precaution is of the first imhappiness here; nay, it may do him positive moral portance, and that is in laying, the materials should harm, if not physical; for it may lower his estimate be so disposed in the walls, as to make the same enof the good, the noble, and the true; although it may tirely solid, and at the same time have every indishield him and his in a measure from the elements. vidual stone entirely coated with the mortar.

lime and coarse sand, were put, and intimately walls might be carried with the same materials of mixed with it, all the small chips and fragments, the walls. All the larger stone were reserved for the process mortar into boxes, made by placing plank outside been quite successfully used for many years in vaand inside of the wall, a distance apart of the derious parts of our country. It is made of common sired thickness of the wall. These plank are kept lime and hydraulic cement, together with some in their places by plumb, straight edges of sufficient chemicals used in coloring the surface after it is strength placed and fastened upon the outside of the plank. When the planks have been thus properly disposed in their places to a height of three or ing blocked off in initiation of large stones, and the planks have been thus properly disposed in their places to a height of three or ing blocked off in initiation of large stones, and the planks have been thus properly disposed in their places to a height of three or ing blocked off in initiation of large stones, and four feet above the foundation, the mortar, in a very may be so shaded as to represent any of the sandplastic state, is brought from the mortar-bed in hods, and poured into the space between the planks. Into this soft, yielding mass were disposed all of the larger stones in such a manner as to make the most of the proprietor. If a nicer and more expensive finish is desired than the stucco, this wall is well adapted to receive the mastic finish, which is made of dry sand and the wall one colid mass of marter and stone. These the wall one solid mass of mortar and stone. These linseed oil, together with some other drying mateprocesses of alternately filling with mortar and lar-rials. The doors and windows may be ornamented ger stone are repeated until the mould is full.

lowed to remain upon the walls until the mortar.

brick buildings. As this kind of wall is somewhat uneven for the reception of the flooring timbers, a piece of seantling, say 24 by 6 inches, should be placed and levelled upon the walls, and be firmly bedded with mortar to receive the joists and other flooring timbers.

This method accords with that practiced by Dr. wick in relation to gravel houses, I have ventured C. F. Ramsdell, formerly of Springfield, but now to indite the following respecting a method of of South Brookfield, in constructing buildings of building with common stone and mortar used here stone. The Doctor has had some experience in this ly used elsewhere. To many the method may not municate with any one upon this subject. The sand

Last year, (1854) a stone machine shop, 400 feet The thickness of the walls should be proportioned long, 40 feet wide and two stories high, with walls to the size of the building and the height and num-21 inches thick, was built here of a kind of slate in ber of stories. For ordinary dwellings, two stories the following manner. The entire mass of stone high, the Doctor thinks 14 inches for the cellar, blasted from the ledge was carried to the building, 12 inches for the first story, and 10 inches for the the nature of the ledge being such that a very large second story, to be about that which is required for portion of the stone obtained by blasting was in strength and durability. All inside chimneys would small pieces; into the mortar, which was made of be best built with brick. Those in the outside

The outside of these houses may be finished with of filling in. The walls were made by filling the a kind of mortar-finish called stucco. This finish has er stone are repeated until the mould is full.

The mould or planks forming the wall are almost and all the appendages of verandahs and projecting and all the appendages of verandahs and projecting

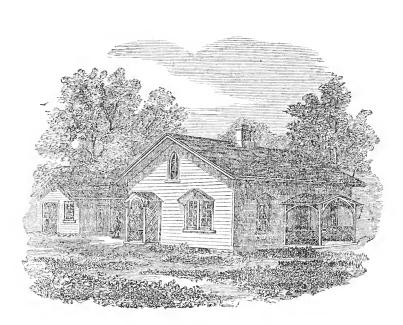
eornices, and ornamental observatories, may appropriately have a place upon these structures.

To prevent any injurious effects arising from dampness on account of the absorption and reten-these structures finished upon the outside with stuction of moisture by the walls, against all the out- co in a plain manner, is not far from the cost of side wall, upon the inside there should be furring, common wood dwellings, or from \$1,25 to \$1,50 done as is done in many brick buildings, and for the per square yard of the wall all finished. This price, same reason. Where oil mastic is used, the inside however, must vary some with the price of the lime plastering might be rendered directly upon the in particular vicinities, and with the facility with walls, as the mastic, from its very nature, would which the sand and other materials could be obprevent the absorption of moisture. And some ex- tained. press a positive opinion that where the stucco is used, no injurious effects would arise from damp-

ness, even if the inside plastering were done upon the walls.

Upon the authority of Dr. Ramsdell, the cost of

Worcester, 1855.

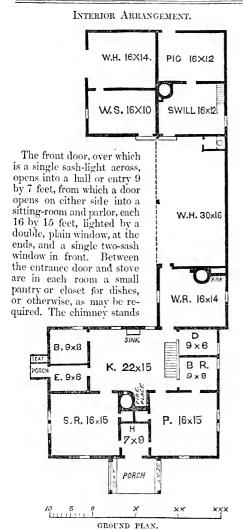


DESIGN FOR A SMALL FARM HOUSE.

We here present a farm house of the simplest the floor of the main house; the pitch of the roof and most unpretending kind, suitable for a farm of being the same. Beyond this is a building 32 by twenty, fifty, or an hundred acres. Buildings some- 24 feet, with 10 feet posts, partitioned off into a what in this style are not unfrequently seen in the swill-room, piggery, workshop, and wagon-house, New England States, and in New York; and the and a like roof with the others. A light, rustic plan is in fact suggested, although not copied, from porch, 12 by 18 feet, with lattice work, is placed on some farm houses which we have known there, with the front of the house, and another at the side door, improvements and additions of our own.

wood. The style is rather rustic than otherwise, like expression so desirable in a rural dwelling.—and intended to be altogether plain, yet agreeable The chimney is carried out in three separate flues, in outward appearance, and of quite convenient ar- sufficiently marked by the partitions above the roof. rangement. The body of this house is 40 by 30 The windows are hooded, or sheltered, to protect feet on the ground, and 12 feet high, to the plates them from the weather, and fitted with simple slidfor the roof; the lower rooms nine feet high; the ing sashes, with 7 by 9 or 8 by 10 glass. Outer roof intended for a pitch of 35°—but, by an error blinds may be added, if required; but it is usually in the drawing, made less—thus affording very tolbetter to have these *inside*, as they are no ornament erable chamber room in the roof story. The L, or to the outside of the building, are liable to be drivrear projection, containing the wash-room and wood- on back and forth by the wind, even if fastenings house, juts out two feet from the side of the house are used, and in any event are little better than a to which it is attached, with posts $7\frac{1}{2}$ feet high above continual annoyance.

over which vines, by way of drapery, may run; thus This house may be built either of stone, brick or combining that sheltered, comfortable and home-



in the centre of the house, with a separate flue essary for repairing implements, doing little rough for each front room, into which a thimble is in- jobs, or other wood work, &c., which every farmer serted to receive the stovepipes by which they ought to do for himself; and also storing his hoes, are warmed; and from the inner side of these axes, shovels, hammers, and other small farm imrooms each has a door passing to the kitchen, or plements. In this room he will find abundant chief living room. This last apartment is 22 by 15 rainy-day employment in repairing his utensils of feet, with a broad fireplace containing a crane, hooks various kinds, making his beehives, hencoops, &c., and trammel, if required, and a spacious family ov- &c. Next to this is the wagon-house, 16 by 14 en-affording those homely and primitive comforts feet, with broad doors at the end, and harness pegs still so dear to many of us who are not ready to around the walls. concede that all the virtues of the present day are ful atmosphere of this kitchen.

is a bedroom, 9 by 8 feet, with a window in one cupation for which it is intended. eorner. Adjoining that, is a buttery, dairy-room, or Between the two windows, on the rear side of the keep them in view .- Illen's Rural Architecture.

kitchen, is a sink, with a waste pipe passing out through the wall. At the further corner a door opens into a snug bedroom 9 by 8 feet, lighted by a window in rear; and adjoining this is a side entry leading from the end door, 9 by 6 feet in area; thus making every room in the house accessible at once from the kitchen, and giving the greatest possible convenience in both living and house-work.

The roof story is partitioned into convenient-sized bedrooms; the ceiling running down the pitch of the roof to within two feet of the floor, unless they are cut short by inner partitions, as they are in the largest chamber, to give closets. The open area in the centre, at the head of the stairs, is lighted by a small gable window inserted in the roof, at the rear, and serves as a lumber room; or, if necessary, a bed may occupy a part of it.

In rear of the main dwelling is a building 44 by 16 feet, occupied as a wash-room and wood-house. The wash-room floor is let down eight inches below the kitchen, and is 16 by 14 feet, in area, lighted by a window on each side, with a chimney, in which is set a boiler, and fireplace, if desired, and a sink in the corner adjoining. This room is $7\frac{1}{2}$ feet in height. A door passes from this wash-room into the wood-house, which is 30 by 16 feet, open in front, with a water-closet in the further corner.

The cellar is 7½ feet in height—and is the whole size of the house, laid with good stone wall, in lime mortar, with a flight of steps leading outside, in rear of the kitchen, and two or more sash-light windows at the ends. If not in a loose, gravelly, or sandy soil, the cellar should be kept dry by a drain leading out on to lower ground.

The building beyond, and adjoining the woodhouse, contains a swill house 16 by 12 feet, with a window in one end; a chimney and boiler in one corner, with storage for swill barrels, grain, meal, potatoes, &c., for feeding the pigs, which are in the adjoining pen of same size, with feeding trough, place for sleeping, &c., and having a window in one end and a door in the rear, leading to a yard.

Adjoining these, in front, is a workshop and toolhouse, 16 by 10 feet, with a window at the end, and an entrance door near the wood house. In this is a joiner's work-bench, a chest of working tools, such as saw, hammers, augers, &c., &c., nec-

The posts of this building are 10 feet high; the combined in a "perfection cooking stove," and a rooms eight feet high, and a low chamber over-"patent" heater; although there is a chance for head for storing humber, grain, and other articles, these last, if they should be adopted into the peace- as may be required. Altogether, these several apartments make a very complete and desirable On one side of the kitchen, in rear of the stairs, accommodation to a man with the property and oc-

On one side and adjoining the house, should be closet, 9 by 6 feet, also having a window. At the the garden, the clothes-yard, and the bee-house, inner end of the stairway is the cellar passage; at which last should always stand in full sight, and the outer end is the chamber passage, landing above facing the most frequented room—say the kitchen in the highest part of the roof story. Opposite the chamber stairs is a door leading to the wash-room. Season, as those performing household duties may

EXTRACTS AND REPLIES.

APIHDES, OR PLANT LICE.

Mr. Farmer:-Your correspondent "J. D." of Exeter, N. H., inquires how he can destroy Aphides or plant lice. Some dozen years since they were here very destructive to young trees, but they have since nearly disappeared. Whale oil soap is what few farmers have—and common soap or soapsuds, when applied so strong as to kill the trees, will not injure them.

The only effectual remedy I have ever applied is strong tobacco water; this will kill the insects without injuring the trees. It is easily applied by dipping the limbs in the water, or by sponging

answer for a sponge.

The wife of Professor Thompson, an enthusiastic horticulturist, and one who has raised more young trees than any other lady in this town, told me she off while very small. (c.) had been perfectly successful in ridding her trees of the whole tribe of aphides by using water in which potatoes had been boiled; this she preferred to tobacco water, as it discolored nothing in its applica-tion. C. GOODRICH.

Burlington, Vt., July 20, 1855.

TALL RYE-AND THE CROPS.

Mr. Editor:—Your paper of June 16th speaks of some tall rye raised in Farmington, Iowa, which measured six feet in length; one of my neighbors has a lot of rye growing, which stands six feet and a quarter high; Mr. James Hall has a number of acres of noble-looking rye, some of which measures six feet and a half in length.

Crops generally look very well, though the weather has been rather wet for some pieces of A Subscriber.

Newport, N. H., July 11, 1855.

SKUNK CABBAGE.

MR. EDITOR:-I wish to know if there is any way to eradicate skunk cabbage. I have a mapleswamp, which contains a great deal of this plant, and I am desirous of removing it entirely. Any information which you can give will be acceptable to

A Subscriber.

prived of the friendly offices of the leaves. Or, dig if you can possibly spare her. it up with a spade in May, and then as often as the leaves get to be 8 or 10 inches long.

CROPS-REAPERS-ILAIL-STORM.

good in every section of Canada West.

for use in this vicinity, and will soon be in operation.

Grass is the lightest crop.

A very destructive hail storm passed through this county on the 13th inst., doing much damage to crops in some places. It went in a vein about half brakes off at once so as to expose the roots as much a mile wide. More than one hundred panes of as possible, or put on ashes pretty freely, and it glass were broken in one house, and a great many will kill them. acres of grain were entirely destroyed. It is re-

ported that in one neighborhood many birds were killed by the hail. The hailstones were as large as hens' eggs, and it is said some were seen seven inches in circumference; but I cannot vouch for the truth of it.

Weather very hot; mercury 87° in the shade. July 11, 1855. L. VARNEY.

HORSE POWER-APPLES.

Mr. Nourse: - Sir, - Will you inform me through your paper, what would be the cost of a small threshing machine that could be worked by horse-power. (a.)

I have a small mill for grinding corn which is them; any piece of old quilt or cotton batting will worked by horses; could I get a machine to be worked by the same power that carries the mill? (b.)

> Also, will you please to inform me what will prevent the stinging of apples, causing them to drop Daniel Childs.

Cotuit Port, 1855.

Remarks.—(a.) Thresher, separator and fixtures complete, with a 24 inch cylinder, \$37,00; size larger, \$40,00. Set of India rubber belts, and other extras, \$5,00.

- (b.) The same power that earries your mill may be applied to the thresher.
- (c.) Apples fall from two causes—mostly from the egg deposited in the blossom, where the worm is hatched and passes into the apple itself. Another cause is, that the apple is perforated by the eurculio, and an egg deposited under the skin where it is hatched and the worm passes into the apple. If vou will devise a remedy, you may consider your fortune as made.

BILES ON THE HORSE.

Mr. Editor:—I wish to inquire what will cure collar biles. I have a mare afflicted with them so that I am unable to work her at all. They are small biles, which come out in great numbers under the eollar and on the back.

Springfield, July, 1855.

Remarks .- Your mare has at some time, prob-Remarks.—Where you cannot plow, pull it up ably, been heated and then fed highly with grain, when it is just gone out of blossom. Persist in and the blood has contracted humors which show this course for two or three years, and you will themselves whenever the skin is chafed or becomes greatly check, if not eradicate it. A piece of the root hot. Careful feeding, with careful usage, will be the an inch in length will grow at first, but cannot re- best remedy. Let her have a run of five or six tain much vitality for any length of time if de-weeks in a good pasture where the grass is sweet,

HOW TO KILL PLANT LICE.

Make a wash of soft soap, cow manure, and water, and wash the trunks and large limbs with it. The prospect for an abundant harvest is very Then for two or three mornings when the dew is on, sprinkle with ashes. This, with me, has effectu-Several reaping machines have been purchased ally destroyed the small green lice on my trees.

East Abington. A. Brown.

TO KILL PASTURE BRAKES.

Mow them closely in dry weather, and rake the

Houghtonsville, Vt.

POTATO-STEM BORER.

ASA G. Sheldon, Esq., of Wilmington, a gentleman whose observation is as keen as his judgment entered by a worm an inch long, with a copper-col-hope I am addressing my own sex.) ored head and twelve legs. The entrance was made near the root, and he had gone up the centre of the stem some six or eight inches, eating clean as he went all the pulpy part of the stem.

Who is he, and how much mischief does he do?

DISEASED PEAR TREES.

I am much troubled with a disease in my pear sunblight, others say it is caused by frost. After one, yet one general standard supposed and praclosing several trees. I have saved others by shaving ticed as right is adopted. off all the affected bark. I hope some of your correspondents will tell me what the trouble is, and delicate peaches, pears, &c.; will you hand-pick or how I shall remedy it. PETER WAIT.

Danvers, July, 1855.

better than last year. Middlebury, Vt.

For the New England Farmer.

"THE OTHER PLACE."

"You can't own all the land that joins you," is a saying old and sure, yet how few Yankee farmers that good time coming is not likely to be forth-coming soon without assistance, all good farmers the artificial result. I hope this will not be considured as "one hypothesis to prove another," or a opinion, as their deliverer.

But the artificial result. I hope this will not be considered as "one hypothesis to prove another," or a "theoretical speculation."

But to return to my text, which I think will need unhesitatingly avow. That this is necessarily the ence and the practice of others. ease, I do not say, but generally, when a man adds ing any more help on the farm, and certainly not full enough. On this point I am convinced it is the in the house, nor does he think of keeping better one right way.

cows and improving his stock; his mind is too much

The flat farms of Flatland and Flatbush are loadsome correspondent of the Furmer will set me down. aright. Үеомах.

Brookfield, July, 1855.

For the New England Farmer.

SMALL POTATOES.

Mr. Editor:—In the fewest words I will anis sound, brought us a potato-stalk which had been awer and explain to your correspondent, "S. P." (I

My communication upon "Small Potatoes," touching his supposed errors, he thinks "a tissue of several fallacies, common to reasoning on agriculture." This long whip reaches others as well as myself, who have the temerity to express an opinion upon this subject.

I said there was but one right way in farming, however much practice might vary. I still maintain the correctness of the principle. He says, "to follow this, is a prolific source of trouble." I would trees, and do not know what it is. Some call it ask why? I will admit there are more ways than

There are two ways to gather your winter apples, shake off. Two roads lead to the mill; is there any choice? Would you employ a bungler or a good farrier to shoe your horse? In surgery, in fact in Crops of all kinds look well. Hay is coming in all practice, the right way has its single interpretation, while the wrong way might be the result of ignorance or stupidity. If "all nature is against" the one right way, it is no paradox that square is round or perpendicular is horizontal.

Your correspondent recommended "small potatoes" as seed, and illustrated by two strong examples. He said the native tuber was "small," but a "large growth was artificial. He again says, "large seem to believe it. If the mania for owing land in tubers and capoage nears are viscosity seem to believe it. If the mania for owing land in Nature gives but one principle, vested in the germination to the size and owning good land, and good cattle, New England mating power of the seed, according to its size and would thrive without agricultural papers; but as functions. This is its law—man applies his skill consults law—man applies his skill

"Grain is not potatoes," says "S. P." Another no explanation, for who has not heard of the term? man says, "a chestnut horse is not a horse-chest-In some parts of Massachusetts, no farmer is conmut." All very true—but which has most affinity? sidered forehanded, or, I should say, considers In their cultivation and uses, there is certainly a himself so until be some at the considers. himself so, until he owns an adjoining farm, which friendly alliance between grain and potatoes. Mr. generally takes the name of "the other place." Editor, this may be a profitless discussion; it is That this acquisition is the beginning of trouble I certainly beyond an arms-length battle, the combatwill not say, but that in most eases it brings more ants being strangers and far apart. My object has trouble and perplexity than profit or comfort, I will been to state to farmers my own positive experimental transfer in the compositive description of the compositive description of the compositive description of the composition of th

This morning a large farmer laughed at the idea one hundred acres to the two-hundred acres of of planting small potatoes; he says two to four land already acquired, he has little idea of employ-vines in a hill from large potatoes two feet apart, is

The flat farms of Flatland and Flatbush are loadoccupied with number; he is thinking of the num- ed with potatoes, corn, winter wheat, rye and grass ber of acres he will own, the number of acres he —wheat and rye, very full. Many square miles will have to mow over, and the number of cows cheeked off with rail fences, indicate that one king he will keep. Quality has so little to do with his farmer directs the whole: not a stone to jar your calculations, it would be hard to make him believe wheels, or a fruit tree (save now and then a cherry) that the profit from two acres, well cultivated, amid all the luxury. Neat white houses, Dutchy in would be more than the profit from three acres shape and trimmings, such as solid shutters, painted with the same expense and labor applied that the black with strap hinges, &c., all presenting a great two acres received. On this point I feel inclined contrast to the farm vicinity of Boston. Weather to differ with him, and if I am in error, I trust has been bad for haymakers—also much wheat is

Pardon the length—will be more brief in future. Brooklyn, L. I., July 14.

For the New England Furmer.

MOWING MACHINES.

a quarter of an acre in ten minutes; and other rather the thickest.

teams in less time, as reported.

saw a well trained team of horses, under the direction of a skilful driver, pass around a lot of herds-on over all. This makes a beautiful gloss, and grass, 12 rods by 30, and so continue to go round keeps the paint of a brilliant white all the time. and round, until the whole was laid completely flat, Should the paint become dirty, it can be washed off in less than two hours. The machine used was as easily as a pane of glass, using nothing but warm Ketchum's, with latest improvements, and the crop water, as strong soap destroys the varnish. Every of more than one ton to the acre, was spread as house-builder desiring a permanent, brilliant white even as I ever witnessed. After such operations finish to his rooms, should use this varnish. oft repeated, no one can doubt that machines of swers a very good purpose to mix it in with the last

of a rod in width, it will readily be seen that a team give the entire work a coat of the varnish after the will have to move only two miles, to complete an painting is finished and partially dry. acre. Or suppose it to cut a swarth one yard in width, then it will have to move less than three miles color, made by mixing a small quantity of lampto complete an acre. There are few teams that will black with the white lead; particularly the doors, not do either of these, without urging. I cannot mantel-pieces and wash-boards. The floors of porch-doubt that machines will, ere long, be so constructed and kitchens may be painted with the same maed, that one horse will do this work with ease, when terial, or they will look pleasant and cheerful if yelskilfully directed; and then one-half of the hardest low ochre is used, ground up with linseed oil and labor of the man, will be changed from the shoul- Japan. ders of the man to the shoulders of the beast, for whose use this fodder is gathered.

Salem, July 27, 1855.

varieties of machines, such as Manny's and Russell's, because my purpose is to speak only of what I have myself witnessed. But if rumor is to be credited, the paint to the proper hue. - Ohio Farmer and some of these, when in order, have done quite as Horticulturist. well as Ketchum's. Like the use of the plow, much will depend upon the team and the driver. I am not unmindful, that it has been known for many years that grass could be thus cut: still, so true is it, that cultivators of the soil are slow in introducing new modes of operation, that many of the best implements now in use have had a hard struggle before they came into general favor. Who would now consent to dispense with cast iron in the structure be attributed to the season of sowing, which should of the plow? Still, who does not remember how have been done in the fall. its first introduction was ridiculed?

PAINT FOR HOUSES.

seems to be versed in the subject, as a practical ant oil, which is greatly admired and much used by painter, makes other suggestions, in the *Indiana* the French, taking the place of lard in the kitchen. "It is no easy matter for some painters who pre- and from whom I obtained the most of my informathe interior of a house in a proper manner. White produce three gallons of oil. Of this I have no lead and oil, mixed as for outside use, will dry, it other proof than his statement, but am confident is true, and preserve the wood-work; but before three months, the paint will become almost yellow, and have exactly the appearance of being smoked, that some one would make an attempt and give This is not the case with external pointing become This is not the case with external painting, because the result of his experiment to the public. the light and air bleach the paint precisely as it does linen or cotton cloth when exposed in a similar of seed, which I kept until the next year, and way.

In the fall of 1848, I procured a small quantity of seed, which I kept until the next year, and way.

tle linseed oil should be used, except what the white weather came on. I let it remain in the ground

lead was at first ground in. Spirits of turpentine should be the principal fluid used to mix the paint, Japan being added in small quantity as a dryer. Many experiments have demonstrated that an acre of grass can readily be cut by one of these malinseed oil alone, being well rubbed down when dry, chines in forty minutes. Such was the fact in the with sand paper. Two coats should afterwards be experiment at Salem, July 16, when one team cut put on with the turpentine alone, the last coat being

To make a very handsome white finish, for parlors Of this I had some doubts, until this morning, I and other nice rooms, after putting the paint on this character are destined to come into general use. coat of paint, making a much handsomer finish than Suppose a machine to cut a swarth one-quarter when not used at all, but much the best way is to

Kitchens should be painted a light slate or lead

In putting on green paint, slate color should first be used as a priming, two coats of the green being added afterward. Paris green makes the brightest P. S.—I say nothing of the operations of other color, and must be ground in on, and most of the local say and Russell's. Chrome green makes the deepest and most chrom permanent color, and white lead is used to temper

For the New England Farmer.

RAPE, OR COLE PLANT.

Respected Editor:—In reading your valuable paper of June 30th, I noticed that "A. B." of Sudbury, Mass., made an attempt to cultivate the rape or cole plant, which proved unsuccessful, which may

Having been anxious myself to obtain some vegetable oil which might be used as a substitute for the unwholesome fat of the swine for culinary purposes, I have made some investigation concerning We recently published a few directions on this the various kinds of vegetable oils, and find that subject, which seem to us important. One who rape seed produces a very beautiful, inert and pleas-Farmer, which we are disposed to endorse. He says: A Frenchman who had used an abundance of the oil,

To paint white in the interior of a house, very lit-grew well, and made a good head or top before cold

grew very finely, producing nearly a peck of very farm; the plowing, planting, having, draining, subfine seed, which was matured by the last of June. I found it to be very productive, but as there was no mill for making oil in this region, I did not attempt to cultivate any more, but think it may be topics, we shall not occupy space with more than cultivated to advantage with the following precau-All who are acquainted with the turnip class or family, know it to be a biennial plant, requiring two seasons to mature the seed. It is so with rape, and it must be sowed in the fall, in season to make good root and top, and if the roots or plants are well covered with snow during winter, and not suffered to freeze and thaw in the spring, they will produce a good crop of seed.

Those who are fond of greens can get a good supply early in spring, without detriment to the plants, if they do not pick off the centre stalk. "A. B." will try again and sow in the fall, he will, undoubtedly, meet with good success.

Shaker Village, N. H., July 9.

WHY IS THE FARMER DISCONTENTED?

We propose to discuss the question propounded above, in three or four articles, from time to time, and quoting pretty freely from addresses which we have delivered before lyceums and at agricultural fairs.

There is an instinctive desire in the breast of most persons to leave the noise and confusion of deem it of more importance than to throw new crowded places, and retire at some time to the light on the common business of the fields, and the peaceful village and the quiet of rural life. The barn, or to enforce any principle of vegetable or tradesman and artizan, weary of their confinement, animal existence. long for a wider field of action, while the merchant, harassed by the exposure of his property to the other capital than their own physical force, directed fickle elements, and the danger to those who go by their native good sense. They succeed in esdown to the sea in ships, sees in the distance the tablishing a pleasant home, and in educating and evening of his days embellished by the comforts rearing a family, through long and patient indusclustering around a home in the country. Others try, and eareful economy; and this is the manner possess the taste for a home on the farm from in which those engaged in mercantile affairs, who early youth, and when separated from it, are ever have become wealthy, have acquired that wealth; elevating the old roof-tree and the happy haunts by unintermitted effort, both in acquiring and savof childhood above all the pomp and glitter of ing. And the cases are somewhat rare, where the cities, and the trappings of fashionable life.

its implements are familiar to our hands, and the competence; while it has been ascertained that opinions we express have been formed on the farm, out of every one hundred who have entered upon while engaged in its labors and enjoying its pleas-|mercantile pursuits in the largest city of New Engwith as much tender solicitude as does the graduate to his beloved alma mater, and live over our ence on young men embarking in business, and youth again in the recollection of its delightful la-|upon young women, too, about making alliances bors, scenes and recreations. But since those times, which can only end with life; for they are equally cultivating the soil, as in most of the business men ily. pursue.

pace wish other improvements of the age. The ex-ling and navigating the ships of commerce. When act experiments of the scholar, the accurate obser- this capital is invested, farm-work is no more a lavation of the farmer, dissertations, pamphlets and bor of drudgery than any other-it is not half so newspapers have been multiplied without number, much so. If this be drudgery, what shall we call through the magic power of the press. In these the confinement of the law-office and the court-

until the next spring, when the plants started and have been discussed the manual operations of the soiling, and nature of the soils; and, although much may well be said upon each of these fruitful a casual reference to any of them.

It was once supposed that the profits of the farm, and the beauty of the homestead, depended upon the hands, alone. That error has had its day, wrought its evil and departed, we trust, never to return. A better opinion now prevails, that labor, to be profitable, must be guided by intelligence, and it is of the importance of that intelligence that we propose to speak.

On the rugged mountains and beautifully sweepmg vales of New England—on the broad prairies of the West, and the sunny acres of the South, the same causes are operating against an earnest and hearty love of rural life, and its occupations.

We assume the fact, that great discontent exists in relation to that life; that young men and young women are dissatisfied with the employments of the farm, and are seeking in speculative schemes that aliment for the mind, which they have failed to find in rural occupations, and a quiet home.

If we can suggest a remedy for this evil, we shall

Large numbers commence farming, without young farmer of good health and habits, fails of For us, the farm has ever had this charm, and establishing an attractive home, and acquiring a We look back to its renovated precincts land, upwards of ninety have failed. The startling but well authenticated fact, should have an influgreat changes have taken place in the modes of interested in the welfare and happiness of the fam-

Farm work requires a capital in coin, in talents, Facilities in printing and publishing have kept and in muscle and sinew, as well as in merchandiz-

tine of the merchant's duties behind the counter, which he is gladdening by his care. with his daily liability to protested notes and bankruptcy? What the daily task of the mechanic, happy if released after a ten hours' toil, or that of operators in the cotton-mill, summoned by bell and eneased in codes of regulations? No—it is not the employment of the fields that is drudgery—it is the man's mind, that is enslaved. That mind does not spring from the sod, buoyant with life and intelligence, searching and inquiring into the wonderful operations above, beneath and around him.

Let him turn his thoughts to Chemistry in its relation to his employment, and he will soon be convinced, that no man has yet lived long enough to understand the strange yet beautiful operations constantly carried on in his trees, plants, flowers and animals. The lawyer is tied to his terms, and the merchant to his counter; the physician to his never-ceasing horse-mill rounds, the clergyman to his parish and the mechanic to his bench. But the farmer breathes the free winds of heaven on his hills, and drinks from the crystal springs that flow through his valleys. The first beams of the morning sun touch his brow amid the waving grain of his garnished fields, while he bathes his feet in the cool dews that have gathered upon the bending grass. He reclines at noon in the shade of his old trees, and walks among his springing corn, or profits by the cheerful criticisms of his wife and children upon his garden culture, as they stroll among the plants he is rearing. He goes to mill or to market at will ;-attends the County Fair in autumn with his fat oxen, lusty steers, or mammoth vegetables; takes a premium on orchards, bog meadows, or corn and cabbages, while his wife bears off the palm for making the best butter, and his unmarried daughter receives the silver goblet for the best loaf of wheaten bread. He finds a day to look in upon the General Court; or, perchance, is a constituent part of that honorable body himself. He is the man to conduct the town business, for a referee, for a juror, or for any other honorable call-

While cultivating the fields, he is in the schoolroom of nature, and it is his own fault if he does not study her ways, and make her subserve his pur-that the poisonous effects of cherry leaves upon poses. She calls to him from her mountains, and animals, as noticed in the Farmer a week or two valleys, and streams, from the air that cools his ago, can be remedied, by giving the animal a mixheated brow, and the dust beneath his feet. She ture of vinegar and chalk in the proportion of 1 pleads constantly for his attention through the birds of the air, and the beasts of the field, in the change of the seasons, in showers, sunshine, frost soil? If so, he should awaken to their perpetual are hourly offered to his mind, and rejoice in grati-the growth of sorrel, and prevent its return.

room, or the judge's bench? What the dull rout tude that he is permitted to be free upon the acres

PUSH ON!

BY HENRY J. SARGENT.

Awake! and listen. Everywhere-From upland, grove and lawn, Out-breathes the universal prayer, The orison of morn. Arise! and don thy working garb; All nature is astir; Let honest motives be thy barb, And usefulness thy spur. Stop not to list the boisterons jeers, (He would be what thou art.) They should not e'en offend thine ears, Still less disturb thy heart. What though you have no shining board, (Inheritance of stealth;) To purchase at the broker's board, The recompense of wealth-Push on! You're resting while you stand; Inaction will not do; Take life's small bundle in your hand,

Push on! Don't blush because you have a patch In honest labor won; There's many a small cot roofed with thatch That's happier than a throne. Push on! The world is large enough For you, and me, and all; You must expect your share of rough, And now and then a fall. But, up again! act out your part-Bear willingly your load; There's nothing like a cheery heart To mend a stony road.

And trudge it briskly through.

Jump over all the if's and but's; There's always some kind hand To lift life's wagon from the ruts, Or poke away the sand. Remember, when your sky of blue Is shadowed by a cloud, The sun will shine as soon for you As for the monarch proud. It is but written on the moon That toil alone endures: The king would dance a rigadoon With that blithe soul of yours. Push on! You're rusting while you stand; Inaction will not do; Take life's small bundle in your hand, And trudge it briskly through. Push on!

Poison of Cherry Leaves.—A lady informs us pint of vinegar to 2 tablespoonfuls of chalk. remedy has proved effectual in several cases.

Lime Will Destroy Sorrel.—Edmund Ruffin and vapor. Is there no voice in these, to him who gives, in the last number of the Southern Planter, tills the ground or fells the forest? Are these all a the experience of thirty-four farmers, on the subject scaled book to him, because he is a tiller of the of lime, as a remedy against sorrel. Their experience is from nine to thirty-six years, and their unanimous opinion is, that marling or liming, in call, be led to a consideration of the delights which proper manner and quantity, will entirely destroy

For the New England Farmer.

LITTLE THINGS:

OR, A WALK IN MY GARDEN.....No. 1.

tice now and then conforms to the experience of ing apples in our collections of fruit. others. The first thing I noticed in my ramble today was an

ORANGE QUINCE.

I transplanted it a year ago to the border of an asparagus bed, but was in doubt whether it would do Garden of Eden? where so much salt had been spread over the ground. It grew finely, and has been covered with blossoms, the present season. I recently saw an border of the same bed are some

HOUGHTON SEEDLING GOOSEBERRIES.

which have thrown out shoots the present season per writing—but it is terse, compact, pleasantly extwo and a half feet already. I must attribute this unusual growth to the deep trenching of the bed, which was made four feet in depth, and filled with alternate layers of earth and manure. Against a wall near by, are some

GRAPE VINES.

I have learned one lesson from sad experience. In this latitude, it is absolutely necessary to protect grape vines during winter, and on laying them down, if placed on the ground and covered up, they are quite sure to be killed, especially if there be any water on the ground. I adopted the plan last winter with my sweet water grape vines, of placing on the ground a good layer of spruce or fir boughs, laying the vines on them, and covering them with my Isabella was badly injured for want of a similar protection.

Pursuing my walk, I look at a few hills of early

CUCUMBERS.

I brought these forward in the cheapest possible manner, simply by making a deep hole, putting in good manure, and placing around the hill four bricks laid flatwise, and on them a square of glass. Broken glass from the stores will answer just as but little progress during the mouth, even the paswell, which the shop-keeper will give you. the plants are up, slip off the glass during the day in warm weather. The bricks absorb the heat of the sun during the day, and retain it during a portion of the night. They commenced blossoming the fourth of July, which is at least two weeks earlier than they can do in open air, in this vicinity. Among the many plans adopted, I have met with none better than this.

Stepping along, I saw with pleasure my

PEAR TREES,

which have grown better than any of my neighbors' trees, I suppose, because I saturated the mulching last year occasionally with soap-suds and liquid exapple, which I call the

BETHEL BELLE APPLE.

I regard it the best grower and bearer of any fall vicinity, has injured the crop very much. I planted has borne every year for eight years past, and near-lad been to pasture for 15 years; the corn came ly the same in quantity each year. The wood is re-well and looked nice, when it first made its appear-

markably healthy and vigorous, as has been proved by grafting into other stocks. The original tree has supplied my family of eight or nine persons with cooking apples from the first week in August One of my many sources of enjoyment is derived till the middle or last of November, besides furnishfrom a survey of my garden, at least twice a day, ing a supply for drying. It now hangs full. At-It affords me much pleasure to know that my prac- tention is not sufficiently paid to secure good cook-

> This walk has afforded me pleasure enough for one day, a pleasure free from alloy, and especially from the cares of professional life. Who believes that Adam and Eve were not happy while in the

Bethel, Me., July 5, 1855.

Remarks.—The writer of the above is a stranger article in the Farmer, recommending salt for the to us, personally, though from the tone and spirit quince, and this seems to confirm its use. On the of his frequent communications, we cannot but feel the interest and attachment of a brother. This article is not only brief—a cardinal virtue in newspapressed, takes up a single point, discusses it, and lays it down a perfect work, finished in all its parts.

(a.) In connection with "N. T. T.'s" practice of manuring his pear trees, we wish to utter a single word of warning. Soap suds and water from the chambers are undoubtedly among the best fertilizers we have for any plants, but they must be used in a diluted form. In seasons of drought they are particularly dangerous; as they are not diluted and washed through the soil by rains. We know now of dead pear trees and choice grape vines that undoubtedly were killed by the application of undiluted chamber ley and soap suds during the extreme the same. They came out in the finest order, while drought of last summer. They may be used with great advantage, and in unlimited quantity, if greatly reduced in strength.

For the New England Farmer.

THE CROPS AND SEASON IN NORTH-ERN NEW YORK.

April was a cold and wet month; vegetation made tures looked as barren as in the month of March. May came, with its cold and dry winds, and scarcely any rain fell during the whole month, vegetation languid, the cattle on the hills lowed for food, but the farmer had no hay or grain to give them, for the contents of his barns and granary were exhausted. June at last came, with abundance of rain, but cold; grass grew, though thin, from being killed by the ice and excessive freezing during the winter. July came forward with warm weather, the 2d day, the thermometer indicated a degree of heat that was oppressive to man or beast, 90° , and for the past 17 days the thermometer has ranged at 2 P. M., from 74° to 90°, which has produced, with suitable crements. (a.) Just over the fence I see a native showers of rain, a wonderful change in the whole vegetable kingdom. Rye, oats and potatoes now look finely, and bid fair to become a good crop, but eorn is backward. The black cut worm, in this cooking apple in this vicinity. The original tree about the 10th of May six acres on greensward that

worms had destroyed two-thirds of the spears in most happy in affording, when such facts come bethe field. At first hoeing I replanted the field, or fore us. the missing hills. Now, where the first planting stands, it is waist high, and the second planting is also grain of all kinds. Pumpkin and squash vines about one foot in height. I am of the opinion that are rapidly reaching out for more extended territoshould the weather prove favorable, the second ry. I have seen some within a few days that would planting will prove nearly as good as the first, measure from six to eight feet in length. This is the case with those who planted on old pasture land. Most of those who planted on lands that had a crop of some description on last season, the worms had not injured at all. The farmers in this to haymaking operations; still there has been a vicinity have put in more crops this spring than good quantity of very nice hay secured already. common. Most every farmer has sowed his spring wheat to supply his family with, during another ance, and will pay a great per centage on outlay of season, and the crop generally looks finely. Most time and money; the one most worthy of notice farmers for the past ten years have depended upon being that owned by DAVID ROBERTS, Esq., of Sabuying western flour to bread their families with, lem, which has for its principal feature between four for they said that the crop of wheat was so uncer- and five acres of onions, the most thrifty and protain that they had rather trust oats than wheat, mising of any in our wide community. But the high price of flour has caused a revolution in their opinion, and in fact has drained their purses to the bottom. My policy has been, since commencing farming for myself, to raise my wheat; then same as that sent us by Mr. Sheldon, of Wilming-I was not dependent on a foreign state for my bread; and for the past eight years I have annually raised about two acres of spring wheat, and have not as yet failed of raising a decent crop of wheat. My plan has been to sow my wheat upon land which was the previous year planted to potatoes; Promoting Agriculture" propose to the farmers of the ground is well mixed and subdued by the process of hoeing and digging the crop of potatoes; the grounds of the Worcester Agricultural Society, then plow and sow my wheat, after himing, as early and with the assistance and accommodations which as I can, say by the 15th of April, this season I did have been liberally offered by that society, on not sow till the 21st, on account of the land being wet and cold. The hay crop is light and backward. Meadows in this vicinity, by the excessive drought of last season and the ice of last winter, have been killed out very much. I predicted in the month of April that let the season be as favorable as it could be, we must have a short crop of been owned and kept together from July 1, 1855, hay. New seeded meadows are generally very thin, all those which have been laid down the past three J. Peck. Yours truly,

Low Hampton, N. Y., July 17, 1855.

For the New England Farmer.

A POTATO WORM.

on visiting his potato field, to-day, discovered in the vines what he believes to be the cause of the potato rot. He brought several vines from the field, which before being cut off, were more or less wilted at the extreme tops; and on examining them with him, we found in each a hole made near the bottom of the vine, about the size of that made by a buckshot. On splitting the vine from the hole towards the top, its pith was found to be entirely eaten out, till we discovered a worm in close though comfortable quarters, from four to six inches from its entrance. The worm is about one inch in length, and of a light pink color, its back being brown half its length from the head, which was crested.

Mr. Knowlton's potatoes were planted in good soil, on high land, and the vines, as most every where else, never looked more flourishing, being in blossom, and the potatoes just forming. Judging from the present appearance and the amount or extent the worm has eaten, they must have commenced hostilities but a few days since. Any fur-

ance above the ground, but in 10 days time the ther information of the above character we shall be

Gardens are presenting an unusually fine appear-

Hamilton, July 21. Z. A. Appleton.

Remarks. — The worm described above is the ton. Its ravages have not yet been extensive.

A SHOW OF DAIRY STOCK.

The Trustees of the "Massachusetts Society for the State, a Show of Dairy Stock, at Worcester, on

Thursday, September 27, 1856. And they have authorized the undersigned to offer the following premiums.

Class I.

For the best six Dairy Cows, which shall have to the day of the Show, and at least three of which cows shall have been bred and raised or imported by the competitors.

A first premium of\$2	
Second premium2	00
Third premium1	50
Fourth premium1	00

CLASS II.

For the best four Dairy Cows, owned and kept MR. EDITOR: -Mr. J. P. Knowlton, of this town, from July 1, 1855, to the day of the Show, at least one of which shall have been bred and raised or imported by the competitors.

A first premium of	.\$150
Second premium	
Third premium	60
Fourth premium	40

Notice of intention to compete for either of the above premiums, must be given in person, or by letter postpaid, to Benj. Guild, Esq., Secretary of the Society, at Boston, on or before the 1st day of December next. The period of trial will extend from Dec. 1, 1855, to Aug. 31, 1856, both inclu-

CLASS III.

For the best Durham Cow	\$50
Next best	.35
For the best Devon Cow	.50
Next best	.35
For the best Ayrshire	.50
Next best	.35
For the best Alderney	.50
Next best	
For best Cow of any other pure breed	.50
Next best	.35

Premiums will not be awarded in this class unless the milk of the competing Cow has been manufactured into butter, or cheese, and an average daily yield of 1 lb. of butter, or 3 lbs. new milch cheese, weighed as ready for market, obtained therefrom for the period of six months, preceding the 1st of September, 1856.

Regard will be had in making the awards, to the ages of the animals, the number of cows kept together, their food, and the consequent comparative

expense of keeping, and their product.

not less than 3 cows,) which shall have been owned the animal, giving the age, breed, place where raised, by the competitor from July 1, 1855, to the day of person by whom bred and raised or imported, method the Show, kept for the manufacture of butter or of management and kind and quantity of any article cheese, for a period of six months, immediately pre- of food furnished, other than Hay or Grass, subseceding the 1st of September, 1856,

A first premium of	0
Second premium	()
Third premium	
Fourth premium	20

Premiums in this class will not be awarded unless there has been an average daily yield of 1 lb. butter or 3 lbs. new milch cheese, for the whole period of trial, weighed as ready for market.

Class V.

the competitor from the 1st day of July, 1855, to the day of the Show.

A premium of\$4	
For the next best	()
Next best	O .
Next best	0

Premiums in this class will not be awarded unless there has been an average daily yield of 25 lbs. of milk for a period of six months immediately preceding the 1st day of Sept., 1856.

Competitors for all the above classes of premiums will be required to file with Wm. S. Lincoln, Secretary of this Committee, on or before the 10th day of September, 1856, their statement in writing, under oath, or affirmation, to the following facts:

The age and breed of the Cow; the place where, and person by whom, bred and raised, or imported, the time of being dried last, and of last and of next ealving;

Time of turning to pasture;

The whole number of Cows constituting their

dairy; and whether kept together;

Quantity of milk yielded by each competing cow, ascertained by the weight and beer measure, of each milking after strained, for the first three days of each month of trial, and when the milk is manufaetured, the amount of Butter or of Cheese yielded by the competing animals during the whole period as specified in each class. In classes No. 1 and No. 2 will be considered as relinquished. the milk of the competing cows may be manufactured together. In all cases the amount of Butter and Cheese produced by the milk of the three days must be ascertained. It will also be required that the statement shall give full and accurate account of the times of stabling, the method of management of the entire dairy during the period of stabling, the process of manufacture pursued, and the kind and quantity of every article of food furnished the animals, either while in the barn or at pasture, distinguishing between said periods.

Class VI.

For the best Durham Bul	l, not less than 1 year old\$50
For the second best	

For the third best
For the best Devon bull, not less than I year old50
For the second best40
For the third best
For the best Ayrshire Bull, not less than 1 year old50
For the second best40
For the third best25
For the best Alderney Bull, not less than 1 year old50
For the second best40
For the third best
For the best Bull, of native or mixed breed, not less
than I year old50
For the second best40
For the third best25

A written statement under oath, signed by the competitor under this class, must be filed with the For the best Cow of any breed, (from a herd of Secretary of this Committee, at the time of entering quent to the 1st of March, 1856.

In all eases competitors must be the actual owners of the animals entered by them, on the first day of July, 1855, and such ownership must have continued

to the day of the Show.

No animal will be allowed to enter into competition in more than one class.

All animals offered for competition must be entered with William S. Lincoln, the Secretary of this Committee, in Worcester, on or before Wednes-For the best Cow kept for milk, and owned by day, the 26th day of September, at 12 o'clock at noon, and must be exhibited upon the grounds of the Worcester Agricultural Society, on the day of exhibition, at 8 A. M., and remain till 3 P. M.

TRAVEL

The Trustees will pay at the rate of 12 cents per mile to the owners of such animals as obtain premiums, and which are brought or driven more than 10 miles from the place of exhibition, computing from the place from which the animals come; also to unsuccessful competitors the like sum, if upon the report of any Committee, such an indemnity for expense should be merited. Travel will only be allowed one way, and only one travel will be allowed to any competitor.

Blanks for return of particulars required in the certificates will be sent to persons who give notice of

intention to compete.

A rigid adherence to the foregoing rules will be

required.

Skilful men from different parts of the State will be seasonably appointed to adjudge the premiums. and no premiums will be awarded in any class where animals of sufficient merit have not been exhibited.

Premiums will be paid by Thomas Motley, Jr., Esq., Treasurer, at Boston, thirty days after their award, but if not claimed within six months, they

> Robert C. Winthrop, George W. Lyman, James W. Paige. Committee. STEPHEN SALISBURY, Wm. S. Lincoln,

Boston, June 13, 1855.

Constituents of Bodies.—The muscles of a body are what is usually called lean meat—the skin, hair, horns, and hoofs are glue-this shows why they are good for manures, as glue contains fifty-five per cent. of earbon, eighteen of nitrogen and twenty two of oxygen.

THE CURCULIO

of all those persons who have attempted to do away with its ravages. It is indeed a true weevil, as as the application of white-wash and glue, sulphur, much so as the Curculio granarius, or grain wee- lime and water, as well as gas-house lime, etc., seem vil, which does so much injury to housed wheat.

The popular opinion that the plum weevil, (Khyn- Working Farmer. chanus nenuphar,) otherwise known as the curculio, cannot fly, is a mistake; for its wing-sheaths cover two transparent wings, by means of which it is enabled to pass from plum to plum, and deposit its like puncture in the particular plum in which it is about to be laid, which will soon be hatched, producing a whitish, footless grub, having a light brown head. Indeed, in some instances I have found as west of Boston, we have never seen one of them. many as three larva in a single plum, but this is a the plum, and eventually finds its way to the stone, the passage being oblique and very irregular. Soon it prematurely to fall from the trees, thus permitting the insects, when about to change to the pupa state, to pass into the ground. Between three and four weeks seems to be the time necessary for them scribed: to undergo this metamorphosis, when the perfect weevils come forth ready to add to the injuries perpetrated by their progenitors.

The perfect insect is about two-tenths of an inch long, and furnished with a snout, by means of which fringe. His wings are thin and silky, and expand it is enabled to bore the fruit. The hind part of about one inch and a quarter. The fore wings have each wing-case is furnished with a yellowish spot. a distinct whitish spot on the thick edge, near the The wing-cases are of a blackish color, their surface being ridged, and presenting an elevated appear-

ance in the centre.

Plums are not the only fruit attacked; nectarines, peaches, cherries, apples, and quinces, are also than the other pair, and have a small dusky spot preyed upon by the curculio. I have been told that near the middle. This is the usual appearance of not even peaches in the southern States are exempt, the male, which, however, is subject to some variabut I have had no opportunity of making any observation corroborative of this statement.

doing away with the ravages of this little tormentor, and oval in shape, and are also ash-colored above, has yet brought about the desired result. It seems and paler or whitish beneath, and measure about to me that one important observation has yet to be made. I refer to state and place in which it passes the winter; for if this fact were fully brought to light, it would be some clue to a preventive.

It should be borne in mind, however, that in the absence of more accurate knowledge, such remedies to the body, where the wings of other moths usually as have a tendency to lessen their evil doings, should be observed, such as the gathering of the fruit at intervals during the season, which should be burned, thus killing the grubs, so as to prevent all possibility very soon or immediately after they emerge from ity of their passage into the soil. To destroy them their winter dormitories in the soil, and sometimes while in the grub state is an excellent practice, for before they ascend the trees. The insect is very by preventing their undergoing the natural change, destructive and very prolific. The eggs are deposand coming forth weevils, the future production of countless myriads is prevented. In order to lessen the injuries of those which have already come forth deed, in almost every place where they can be atas perfect weevils, a sheet should be spread upon tached. They sometimes appear in clusters of from the ground around the body of a tree, and if the lifteen to seventy-five in number, but it is not known branches be suddenly jarred, some of the weevils at whether the eggs forming these clusters, are the least will fall, when they may be collected and destroyed; for when disturbed, they gather their legs and snouts close to their bodies, and unless under humber of eggs ordinarily produced by a female close examination, present a lifeless appearance. If moth been accurately ascertained. The eggs are

this precaution be frequently made use of, the deposition of many eggs, and consequent production of This little depredator seems to defy the effort insects, will be prevented. The numerous other remedies which have so often been published, such to be entirely inefficient.—J. Payne Lowe, in

THE CANKER WORM.

The recent havor which this pest has made on eggs. Before depositing an egg it makes a crescent-the fruit and other trees in this section of Massachusetts, naturally leads our attention to it, although on our own farm at Concord, twenty miles

The habits of this destructive insect have been rare occurrence. The young larva then feeds upon earefully investigated by men abundantly competent to do the subject ample justice, and who have after the eggs have been deposited, gum begins to prosecuted their labors with a zeal and energy enexude from the fruit, and in some instances in very titled to much praise. In HARRIS'S work on "Inlarge quantities. This exudation seems to so pre-sects Injurious to Vegetation," there is a minute vent the full development of the fruit, as to cause and carefully drawn account, which all may read with profit. The "canker moth" is the Phalana vernata of Professor Peck. The insect is thus de-

"His antennæ, or horns, are thread-like; but when viewed through the microscope, are found to be beset, on each side, with a very short, hairy tip, and are crossed by two jagged, faint, whitish bands, more or less distinctly bordered with black lines, or dots. The hind wings are rather darker tion in size, and in the greater or less distinctness Not one of the numerous remedies proposed for of the spots on the wings. The females are plump three-eighths of an inch in length. They have two thread-like horns, and six long slender legs, and on each side of the belly near the head, there may be seen with a glass, two little scaly tufts, pressed close grow."

The coupling of these insects ordinarily occurs very soon or immediately after they emerge from

about one-fourteenth of an inch in length, oblong in faction, and that of his employers. In this way the shape, and deposited side by side, each on its end, rude machine with which he began has come, by A peculiar substance of a very viscid consistency, We understand he has sold the right to its use for and which indurates and becomes strongly glutinous the four counties, cornering on the place of his resion exposure to the atmosphere, attaches them firm- dence, and that the individuals who have purchased ly together, and to the tree, or any other substance these county rights, are selling out town rights satisto which they are appended. These eggs may be factorily, while yet it is hardly known beyond those easily destroyed by acids or alkalies applied with a connection with the ready sale it meets where best sponge or brush.

Professor HARRIS mentions nearly every remedy favor. that has been resorted to in order to prevent the ascent of the worm, and those persons troubled commend nothing which we do not believe to be with them should consult his work. Some of them have seen of its working. Mr. Willis took us into are a broad belt of cloth or strong paper, six to a field, which must have yielded a very large crop twelve inches wide, fastened around the trunk of pine boards. His force consisted of two men, with strings, and apply the tar as early as the first neither of whom had ever worked at the business of November, perhaps in October, and renew it dailestore, and a small pair of oxen. He said, "which stump will you see taken out." ly as long as the insects continue rising.

tor.

WILLIS' PATENT STUMP PULLER.

The statement copied from the N. E. Farmer, ten dollars a day. on page 121 of this No., we understand to be from journal. Since reading it, we have visited Orange, few machines, compared with what will be wanted, examined the machine, and seen its power fully test- he is willing to sell either State or County rights in two or three particulars, we think, is somewhat more;—1st, it is equally as well adapted to draw-up who may feel interested in the matter, to visit Mr. Willis at his manufactory, at Orange, which is on the Vermont and Massachusetts Railroad, about 16 ness of drawing rocks and stumps.

as can well be found, has been making the rough Professor Nash. places plain. He commenced with a rude machine of his own construction, following the lumbermen, and tearing up what of the old pines they had left in the ground. As exigencies required, he made alterations, tried them, and adopted or rejected them, accordingly as they answered, or failed to answer, feet in height, and it had not then attained its ful his purpose—that of pulling stumps to his own satis-growth.

known, would seem to be a strong argument in its

But in commending it, while we are pledged to largest, the ugliest and the worst situated stump in Another method is to fit a collar of boards the field. He hitched to it, as described by Giov. around the tree, and smear with tar underneath. Brown, and lifted the great circle of roots and ad-Collars of tin-plate, belts of cotton wool and troughs hering earth, raising the side farthest from the of tin or lead, filled with oil, have all been resorted machine in advance of the other side, till it stood at to with greater or less success. Showering the trees knocked off the earth, letting it fall back into the with air-slacked lime, and sprinkling them with hole, the yellow subsoil at the bottom and the durkwhale-oil soap water, has sometimes proved benefi- er top soil above it. He then worked the machine again, and drew it along until the last root was The apple crop in the vicinity of Boston, where it detached. The time of the whole operation did not seem to be more than eight or ten minutes, but was susually large, will be greatly reduced this year, not measured. He then drew up eight stumps, through the ravages of these minute yet destructive large and small as they came, in 30 minutes, as insects. He who will devise some certain remedy measured by the watch; and neither the cattle nor against their attacks, will become a public benefac- the men appeared to work faster than would be consistent with a long and steady pull at the business. He stated, and we thought proved, that he could clear an acre a day, with a force which could be afforded ,including the use of the machine, for

We learn from Mr. Willis, that in view of the the pen of Lieut. Governor Brown, editor of that prospect that he will be able to manufacture but ed. It is all that Mr. Brown has represented; and for manufacturing and using them. We advise any other business requiring a high power, as to the pul- miles east of the Connecticut river. He will afford ling of stumps; 2d, it will operate without unreal them the best possible means of judging of the sonably severe effort on the part of the men and capabilities of his machines; and we have no doubt team, more rapidly than Mr. Brown represents; will deal with then liberally. It might not be well 3d, it has come to its present improved state, slowly for every farmer, perhaps for no one, to be at the and by successive trials; did not come from the expense of procuring one of these machines simply beginning of a the successive trials. brain of a theorist, as Venus is said to have leaped for his own use. But if they were distributed about from the brain of Jupiter, all beautiful and mature; so that one or two should be owned in a town, and armed cap-a-pie, ready to love or to fight, but resulted from the experience of a practical man, one thoroughly schooled in the rough and tumble busi-they might become an important auxiliary to a neater and more profitable husbandry than that of cultivat-For eight years, Mr. Willis, in as wide a region ing around rocks and stumps.—The Farmer, by

TALL RYE.—A correspondent writes us that he

LETTER FROM THE COUNTRY.

Sunday - Extensive Prospects - Lakes, Mountains - Recollections—The Having Season—Prospect of the Crops—Hay Crops—Country Visits and Watering Places—Visit to Lake Massabesic-Chowder-Music-Effect of Location upon Character-Invocation.

Chester, N. H., Aug. 12, 1855.

My Dear Simon:—Forgive the familiarity, my dear Lt. Governor, but it does come so natural, addressing you from this, the old place of my nativity, and your childhood, and boyhood, and youth, to call you by the old familiar name, by which, more than forty years ago, I used so often to address you, that you will, I know, excuse me, although George IV, never forgave Beau Brummell's "George, ring the bell!" You are more forgiving than the king, I trust.

it is too-precisely such an one as old Herbert had in his mind when he composed his beautiful stanzas, commencing-

> "Sweet day, so cool, so calm, so bright, The bridal of the earth and sky."

I am not at the "old homestead," from which my brother Henry—I beg his pardon—the Judge, dates his interesting letters. Let me say, in parenthesis, that if "my feverish longings for fame, and dreams of distinction," were not all gone, I should be trying to get in as one of the editors of the New England Farmer—"Governors and Judges!" haven't you a vacant Generalship, or sich like, that you could bestow on a fellow? As I was remarking, 1 am not at the old homestead, but am, at present, sojourning with his Honor, the Sheriff of the County of Rockingham; in good hands, you see, and from this spot where you and I have stood many's the time and oft, at this blessed moment a prospect is presented worth a journey from Boston to witness. You know what a sweep of horizon is presented to the eve from through a long storm, uninjured. this place—do I exaggerate in saying hundreds of miles? I think not. Well, there it lies, the intermediate space dotted with villages, farm-houses, green fields, forests, &c., all glittering beneath the justrisen sun, and every valley filled with mist, presenting the exact appearance of lakes and lakelets, studded with islands, headlands, and peninsulasin the far distance gleams, like a thread of silver, es and fashionable watering-places, parading round what the oldest inhabitants have ever regarded as on the sea-shore without shelter or shade of any the ocean. Not one cloud is to be seen, not one green thing, suffering the tortures of Regulus, who the ocean. Not one cloud is to be seen, not one breath of air can be felt, and all that row of elegant trees mentioned in the Judge's letter show not the stirring of a single leaf. If a man's thoughts do ed chambers of fashionable hotels, not to mention not ascend through such a scene as this, up to Na- the killing conclusion by way of paying the billsture's God, he must possess a hardened heart, and how all this can be translated into pleasure by rabe, indeed, a hardened sinner.

hold, as you are aware, on a visit to my kinsfolk, passes comprehension." and to exchange for a short time, the heated atmosphere of Washington City, for the cool and re-|my own brain, when I have been crammed with all

freshing breezes of New Hampshire. Either those breezes, or the excellent feed with which the Sheriff's better half entertains her visitors, (and you have often tried it,) have already added to the fair proportions of your humble servant, as our friend Greenough's steelyards testify.

I am among the farmers here. Haying is the order of the day. The wet, and somewhat backward season, has delayed the gathering in of the upland erop of grass even to this late day. When you and I used to swing the seythe here, it was not often that we gathered hay from the upland after the advent of August; but this year, I think nearly all the hay in this vicinity has been cut since the 25th of July, and much grass still remains standing. The crop is a good one, and, thanks to the new invention of "hay-eaps," it has, not with standing the This is Sunday morning, and a glorious morning "long spells" of rainy weather, been got in well. A friend of ours, who resides here, but spends considerable time in Massachusetts, and who has recently returned from there, told me a few evenings since, that the farmers in the vicinity where he has been, had heard of hay-caps, but had never seen any, and came to him for a description of them. I presume you have enlightened your readers on the subject, though I do not remember to have seen a description of them in your columns. Those used here and they are getting into general use-are thus made and used; viz:

> For one cap, take 4 yards of yard-wide cotton cloth, cut it in two pieces, and sew them together, so as to make a square. Loop up each corner so that a piece of common cod-line will pass through, tie in loops of line, spread the cap over the haycock, and with 4 sharpened sticks of about 18 inches in length, fasten the corners, by passing the sticks through the loops, either into the hay or the ground. A cock of hay thus protected, may stand

> The crops in this vicinity, as all over the country where I have been, promise an abundant harvest.

> In the Judge's "Letter from the Homestead," contained in yesterday's Farmer, he remarks very properly as follows:

"How rational men and women from the cities can be persuaded to pass the summer at the beachwas exposed by his enemies to the noon-day sun with his eyelids cut off-how they can endure the glare of the ball-room in dog-days, and the crowdtional people, when the peaceful, quiet hills and valleys of the country invite them to health and I am here, with all the dear ones of my house-freedom from restraints of fashion and artificial life,

Exactly the thoughts that have passed through

my family into a 7 by 9 room at Saratoga, or at forest trees, from sweet and ringing voices, were some of the watering-places-hot as blazes-eaten sent forth, upon the summer breeze, tones to awakup by flies in the day-time and musquitoes at night, en the best feelings of the heart. "The Star Spangsweating under the glare of gas-light in the ball-led Banner" was sung in full chorus. "The Old room in the evening, and under the burning sun by Folks at Home" were not forgotten. "Auld Lang day. Do you remember our own experience at Syne" came back fresh and glowing, and many Piney Point one burning August? We went for other songs of the olden and of the modern times pleasure, and perhaps we might, had we been pro- rang out on the joyous air. The party from the vided with places in which we could have slept, hill having retired to the arbor, and all being there passed some hours (to quote Byron)

"In dreaming this was pleasure,"

even the consolation of the dream, much less the reality. You have not forgotten it, I know.

would come here, where the summer days are satisfied that we had spent the day in a manner delightful, and however they may be warm, there is as satisfactory as it could well be spent. always fresh and salubrious air to breathe, and the sharks and sea-scrpents!

large stage wagon was put in requisition, in which or to render those about you contented and happy. nineteen of us were comfortable stowed, and amongst The location of a people, as it seems to me, has were amused by the erection of a swing in an ad-noble in its impulses! joining grove.

At one o'clock, P. M., the chowder, prepared by our excellent host and hostess, was brought on, and the table was loaded with good things, in abundance, and all ate and were filled. Any one would that last piece of pudding did the business for me!" sive days. After dinner, most of the party made an excursion Mr. George Haves, of North Cambridge, and extensive and beautiful, and there, beneath the old owner of the Biddy, and possessor of the secret of

assembled, "Auld Lang Syne" was joined in by all who could raise a note, and then the party prebut, alas, we could not sleep, and therefore had not pared for its return. On the way back we paid a visit to "The Devil's Den," but, his Majesty being out, our stay was not long, and, at sunset, we were Now, if the real health and pleasure seekers, all safely back at our respective domiciles, perfectly

In this region of country, cultivating the soil is nights are always comfortably cool, they would find the main purpose of the people; of course there is what they seek. And then we have the old forests nothing of the starched and stiff formulas of the city. all around us, and the beautiful lake Massabesie, Every man, woman and child is taught to wait upon spreading its broad and pure waters in our imme-him or herself, and consequently every man, woman diate vicinity, where we can go and sail and fish, and child is independent, and all is free and easy in and have chowder, and in which we can bathe and their social intercourse. A hearty welcome is given swim, and disport ourselves, fearless of surf and to all comers who are entitled to be esteemed for the ordinary virtues of life—talent is respected, as it Let me describe to you one day of the pleasures should ever be, in the humblest individual, but rank of old Chester. On Friday morning last, in accord- and dollars cannot purchase either respect or attenance with previous arrangements, nearly forty of tion, unless combined with adjuncts deemed of far us, old and young, started for the Massabesic. A greater importance—the power to instruct, or please,

them the Register of Probate of the County of Suf- much to do with their characters. Here, where an folk and his wife and daughter. The others went immense expanse of country is ever open to the in such carriages as they could conveniently procure. view, the tendency of the mind, as it gathers in We arrived at Auburn between ten and eleven, and knowledge, is to expand and become enlarged in all found, upon a plateau of land, in front of which, that does honor to human nature—the soul swells spread far and wide the beautiful lake, and behind as the eye embraces a magnificent prospect, and one which arose, what we modestly term, Mine-hill-with an imagination whose vision has never embracin fact quite a tolerable mountain—a beautiful arbor, ed more at a time than the single street of a city, erceted for our accommodation, with a table set the would go almost into eestacies, could be be suddenly entire length of it, and all the necessary applicaces placed at any point like this, where the eye could to make us comfortable and happy. The day was rove over thousands of square miles of landscape lovely. As soon as our preliminaries were adjusted, unimpeded. Then the natural tendency of the the party broke into groups. Some went fishing, opening mind, whose daily vision is thus enlarged, some sailing, some bathing, and the younger fry is to enlarge with it, and to become generous and

> God bless the good people of old Chester. Very truly and faithfully yours,

> > B. B. French.

Large Eggs.—George W. White, Esq., of have readily answered to the question of the stage- North Cambridge, handed us four eggs this morndriver—"all full inside?" as Charles Lamb did—ing, which weigh one pound. They were laid by "I don't know how it is with the rest of them, but the same hen, and three of them in three succes-

to the top of the hill, from which the view is very one of the best farmers of Middlesex County, is the

producing eggs that will weigh a quarter of a pound each! When hams are ripe, wouldn't it be a treat which have suffered severely the past winter. There to dine with Mr. Hayes!

For the New England Farmer.

LITTLE THINGS:

Or, a Walk in My Garden....No. 2.

As I have extended my walk, I come up to a patch planted with

SMALL POTATOES.

I apprehend that your correspondents overlook one important principle in discussing this subject. potato is not a root, but a tuber, an excrescence as it were from the stock. I suppose it to partake somewhat of the nature of a bulb, which will develop itself remarkably under favorable circumstances, essentially the same as any bulbous or tuberous plant. All such plants require a combination INCREASED ATTENTION TO AGRICULof the most favorable circumstances for their complete development. Plant large tubers and a drought may produce small ones, but I do not see as their capability of reproducing large ones the next year can be seriously impaired; but follow up the plan, and it must be an exception to nature's operations, if in a series of years the product be not dwarfish.

I have suffered severely for three years past, by planting small potatoes. It has so happened that we have had a severe drought soon after planting, which has impaired the vitality of the plants exceed-They came up looking feebly, and never recovered the shock. The same remark applies to cutting out the eyes. If correspondents will bear this fact in mind, it may reconcile some of their

conflicting testimony.

I remember hearing my father relate an experiment which he made about the year 1812. He bought a bushel of potatoes, which were harder to pay for at that time, than twenty-five bushels would be to a young farmer at the present day. He took a pointed penknife and cut out the eyes so as to diminish the bushel about two quarts after the operation, and planted them on burnt land, and harvested thirty-four bushels of handsome potatoes.

After all, I like what my neighbor, the Captain, says: "I like to plant the same kind of seed as I

would raise."

Possibly you may remember some experiments which I communicated to the Farmer, on protect-

PEACH TREES.

I varied the experiment of protecting them last win- they do to the English. For the French have had ter to ascertain how much exposure they would an equal amount of wars to carry on, while they bear. I tied the limbs together and wrapped round have suffered more from the effects of bad governthem a single turn of furniture matting. One of ment. Since the revolution, they have made some them had a foot of the top extending exposed above advancement in agriculture, but are still far behind the matting. The trees came out bright as you could Great Britain, notwithstanding they have a climate wish for, although the thermometer was down to and soil adapted to every variety of vegetable 37° below zero once during the winter, the lowest growth. In all parts of the continent of Europe, ever reached in this place. It was eurious to see increasing attention is paid to this subject. In Lomhow effectual the protection was, for the portion of bardy and Flanders, it is carried to the highest the tree exposed above the matting was killed just state of improvement. to it, and no further. I consider the question settled in regard to protecting the peach in this lati-been paid to the cultivation of the soil. In the old tude, after a trial of seven years. The only ques- and new world, and in both hemispheres, men are tion with me is, how they shall be treated so as to beginning to see, that an all-wise Creator has dehear.

A step further brings me to the

CHERRY TREES,

is a lesson yet to be learned in this vicinity on this point. It will never do to rely on the catalogues of nurserymen in this particular. We want some varieties that will stand our winter, without protection. I know of none to be relied on, except the common Kentish or Pie cherry, which i: perfectly hardy here. I wish some correspondent would tell us what to do here in Maine. I was astonished to see such splendid cherry trees in Nova Scotia, while recently there; they were large, and so glossy that you could almost see your face in the bark. One man sold cherries from his garden last year to the pretty little sum of one hundred and twenty dol-N. T. T.

Bethel, Me., July 20, 1855.

For the New England Farmer.

TURE,

And its Connection with Chemistry.

BY JOHN GOLDSBURY.

Agriculture, for a long time, was almost wholly abandoned, and continued to be neglected, till the introduction of the feudal system in the fifteenth century. This gave every man a distinction and rank according to the quantity of land he occupied. Nothing contributed more to give an importance to agricultural pursuits, than the introduction of this system, which gave the tenant who cultivated the soil, as well as the landlord who owned it, political privileges which were enjoyed by no other members of the community.

Notwithstanding all this, England has done more for the advancement of agriculture, during the last fifty years, than during double the amount of years in any preceding period of her history. She has always been engaged in war. Her history is made up of little else but accounts of sieges, of battles, and of conquests. While she has been so much engaged in foreign and aggressive wars,—while, in the language of her own statesman, "she has been carrying her arts and her arms to the four quarters of the globe," she has left her own soil at home, uncultivated and unproductive. Within the last fifty years, she has given more attention to agriculture; and her efforts have been crowned with success. She has more than doubled the amount of her agricultural productions.

The same remarks apply as well to the French; nay, they apply with more force to the French than

In all parts of the world, increased attention has creed that plants and animals should derive their subsistence chiefly from the soil, and that all the eldients are, it is the province of the chemist to in-able to raise its former staple productions, wheat form us. The chemist has given us all the knowl- and tobacco; while, on the other hand, China, edge he has on the subject; the air and the water, which has existed many thousand years, continues the soil and the subsoil, have each a part in their to be as populous and productive as ever, because possession, and should each be made to contribute a she exports nothing, and wastes nothing that is deshare. Nature, in the production of a perfect plant, rived from the earth. does not restrict herself to the animal, vegetable or mineral world. It is highly probable that the newly-created world was, at first, entirely a mineral mass of matter, from which vegetables soon grew abundantly enough to support all animated nature. Geologists generally suppose the action of the elements for an indefinite length of time, was necessary to fit it for the abode of plants and animals; but it is believed that the action of the frost, with the winter's rain and snow, is a powerful fertilizer in this climate; and that fall plowing, and, occasionally, deep plowing, should go together.

Farmers are beginning to see, that the continual cropping and carrying off the products of the soil, year after year, without making any returns by manuring and enriching it, tends to exhaust the soil. Plowing and harrowing, stirring and pulverizing the soil are not alone sufficient to restore the properties which have been taken away by the crops. In addition to these, lime, potash, phosphate of lime or bones, common wood ashes, soot, salt, saltpetre plaster of paris, and human exerements, should be mixed with the soil in different proportions, according to the nature of the soil. Besides, the farmer can find, sometimes by the roadside, and always in swamps, a rich deposit for the supply of food for his plants. The business of composting manure by the use of muck and other ingredients, such as green vegetable matter mixed with mineral substances, is of the highest importance to the farmer.

Chemists have analyzed almost all the useful vegetables and fruits, and ascertained the exact proportion of all the elements which enter into the composition of each. Their method of analysis is, first to dry, then to weigh, then to burn and weigh the ashes, and then to analyze the ashes. The ashes are supposed to contain all the mineral substances which vegetables draw from the earth; and these substances must be restored to the earth in some wise the plants cannot grow there.

&c., which have been driven or carried away from which they sometimes come. the country to some distant market, no part of Toften feel as though I would take my pen and whose bodies has been returned to the same soil to give you some of my musings, as I pore over the should continue to produce so much as it does, be a thinking man, too. It is not safe for him to This continual skimming of the soil and earrying off trust entirely to the thoughts of others. Nor should

ements of vegetable and animal matter are to be the crops, is the reason why the once rich and profound in the soil. What these elements and ingre-life soil of Virginia is now in many parts no longer

SONG OF THE HARVESTERS.

We gather them in-the bright green leaves, With our seythes and rakes to-day, And the mow grows big, as the pitcher heaves His lifts in the swelt'ring bay. O ho! a field! for the mower's scythe, Hath a ring as of destiny, Sweeping the earth of its burthen lithe, As it sings in wrathful glee.

We gather them, in—the nodding plumes Of the yellow and bended grain, And the flash of our sickle's light illumes Our march o'er the vanquished plain. Anon we come with the steed-drawn car-The cunning of modern laws; And the acres stoop to its clanging jar, As it reeks its hungry jaws.

We gather them in-the mellow fruits From the shrub, the vine and tree, With their russet, and golden and purple suits, To garnish our treasury. And each had a jujey treasure stored All aneath its tainted rind, To cheer our guests at the social board, When we leave our cares behind.

We gather it in-this goodly store, But not with the miser's gust, For the Great All Father we adore Hath but given it in trust: And our work of death is but for life, In the wintry days to come-Then a blessing upon the Reaper's strife, And a shout at his Harvest Home.

For the New England Farmer.

SOURCES OF PLEASURE FOR THE FARMER.

Mr. Brown: - How pleasant, during the long way or manner, in order to secure a good crop af-winter evenings, when the cattle are all housed and terwards, especially if it be of the same kind. For perfectly cared for, and the work of the day is done, if this abstraction from the soil of certain proper- to sit down in the old arm-chair, before the bright ties goes on year after year, for considerable time, the fire, with happy faces around you, and such papers soil will become exhausted and unproductive. The as the *New England Farmer* to read. What if mineral substances found in plants must first exist the storm-king does reign without? Our hearths in the earth, and must come from the earth; other- are secure—we fear it not. The summer shall chase it away, and the calm shall succeed it.

Chemists have not only analyzed almost every article used as the food of animals and of man; but, I love to snatch a paper or book, and pore over the During the long evenings, or in leisure moments, also, every part of the animal body,—the bone, the thoughts of others, and weave the rich gems of muscle, the fat, the milk, the skin, the horns, the thought and bright figures into my own web of hoofs and the hair. These are all formed from the knowledge. And I love to read the Book of Nafood which animals consume, and are consequently ture too, and receive her lessons, fresh and at firstall drawn from the earth. And when we consider hand. And thus her teachings may not be distorted the numbers of cattle, sheep, horses, hogs, poultry, by ignorance or prejudice—the channels through

preserve its fertility, we are surprised, that the soil leaves of Nature's own book. I think it well that from which so much has already been subtracted, the farmer should be a reading man, but he should

he be dogmatical in his own views. Books and papers are like crutches and spring carriages to the more things being equal." It who suffers himself continually to be all other things being equal." Who shall say, then, farmer, as well as all others, to stand upon, is a digin the other? But, says S. P., we want facts, not nifted independence, that accords to others the right of thinking for themselves, and claiming and using is, in a very great degree, the fruit of speculation, the same right in return. There is too much dogThe science of agriculture, like that of chemistry, is maticism on the one hand, and credulity on the eminently experimental, and experiments are wholly other. It may be difficult to steer clear of breakers, the results of speculation. But to the point. There but it is worth the while trying.

open—cultivate and discipline his powers of obser- matter, and conclusive against him. Namely, "that vation, and learn to think for himself, as well as to large tubers are of artificial growth." This is unmake just discriminations respecting the thoughts questionable as to potatoes, their present size being of others; he might save himself much time and the result of a gradual development under cultitrouble, and be the happier for it. J. T. W.

Marlboro', N. H., 1855.

For the New England Farmer.

SMALL POTATOES FOR SEED.

the subject of agriculture and its kindred pursuits, 1 perfection. And then, as he very justly observes, propose, through the columns of your widely-read there is a constant tendency to revert to their origijournal, to furnish a fact or offer an opinion, now nal type. Now, it must be obvious from these and then, upon matters therewith connected. Should facts alone—the artificial growth of the large tuber, this meet your approval, it may be as well to com- and its tendency to revert to its natural state,—that mence while the resolve is upon me.

for the purpose of reproduction? I can, by no may be all a matter of speculation, but it is so legicourse of reasoning on this subject—to my mind, that I have faith to believe that even S. P. will conmuch of it is not only fallacious, but pernicious in sider it conclusive.

the extreme.

her offices in different ways—as instanced in the reproduction of the potato. But can we infer from true friend of the husbandman. The "old fashioned this that the way pursued is not in each instance farmer" as he delights to style himself, clings most "the one right way," since the means employed are tenaciously to his belief in "small potato" seed, ever the best adapted to the end in view? Or shall and indeed in small potato stock, "as no less peroperations to a single way, any way by which man its several species," and consequently, equally as can accomplish his purposes is equally as "right" as good for the immediate purpose of reproduction. any other? It would hardly be thought much out A fatal mistake, let who may entertain it. A danof the proper course for nature to produce potatoes gerous heresy that must be rooted from men's minds from the seed, since it would answer her ends as well. ere we can look for any marked improvement in But it might be viewed in a very different light in agricultural pursuits. Let this be a great purpose the farmer, as it could hardly serve his purpose at with your journal. Teach only the "one right" all. Possibly it will require no very great power of doctrine—that the never varying essentials to good argument to convince even the most obtuse, that in crops and success in husbandry, are good soil, this particular case, at least, there is a "one right natural or artificial—good seeds, good tools and way." That there is in every case, is equally certain, good culture. Let the precept be worked out in and constitutes, no less in farming than in every other the practice, and the time will come when in our pursuit of life, a great truth seldom lost sight of but less favored clime, and upon our sterile soil, shall with mischievous results. I am far from certain grow up a system of agriculture such as the world that S. P., after all, is not equally sensible of its imbas never seen.

L. P. portance, since he lays it down as a "great principle," "that the farmer depends upon facts wholly." Now ficts are only useful to those who hold to a "one right way," and are seeking it by the light of Farmer, in his journal of July 13, states that grass-

We should in this, as in all other things, conform to He had seen one that measured from three and a the laws of nature. Now, it is clearly a law of half to four inches in length!

carried about by them, may always be lame and that the same law does not govern plants that are weakly, but never the hearty robust, strong man, propagated by tubers? Nay, is not the reason for like him who walks. The proper ground for the this result much more obvious in the one case than is one fact which he insists upon, that, to my mind, If the farmer would keep his eyes and ears wide is quite essential to a right understanding of this vation,—which cultivation consisted in part of a constant selection of the larger tubers to seed from. The seed of the potato produces tubers perfectly matured and of full, natural size, the first year, but it requires several years of careful culture, and a constant selection of the larger and more fully Friend Brown:—Feeling deeply interested in developed tubers for reproduction, to bring them to the immediate product of small polatocs can never And first—are small potatoes equal to large ones equal that of large ones, with similar culture. This means, agree with your correspondent, S. P., in his timate and logical a deduction from his own facts,

This "small potato doctrine" has not even the The wise axiom, "that there is but one right poor merit of novelty. It originated very possibly way to do a thing," will hardly be found, as he con- with the first "planter," and, appealing to the cupitends, contradicted by the workings of nature dity of man, has out-lived a host of fallacies, far less Nay, I fancy it can be there verified to a demonstra- preposterous or pernicious. For years it has shed tion. It is quite true, that at times, she performs its blight over our agricultural interest. For years we conclude that, since Nature is not limited in her feet in respect to vitality and the specific character of

East Woburn, Aug. 3, 1855.

Grasshoppers. — The editor of the California As to the employment of small potatoes for seed: hoppers are exceedingly numerous and destructive.



THE PEACH APRICOT.

Flesh of a fine yellow saffron color, juicy, rich and also dried for winter use. high-flavored. Downing says:

highly attractive object in early spring, as its charm-duced, are of a very inferior quality—short lived, ing flowers are the first to expand. It forms a fine more liable to diseases, and the fruit of a secondspreading tree of about twenty feet in height, and rate flavor. Budded on the plum, they are well is hardy enough to bear as an open standard south adapted to strong soils, in which they always hold of the 42° of latitude of this country.

The delineation above is from a specimen gath- Uses.—A very bandsome and delicious dessert ered in our garden about the tenth of August. The fruit, only inferior to the peach, ripening about midlargest sample of the fruit is about four inches summer, after cherries, and before plums, at a seain circumference, roundish, rather flattened, and son when it is peculiarly acceptable. For preservsomewhat compressed on its sides, with a well-ing in sugar or brandy, for jellies, or pastries, it is marked suture. Skin yellow in the shade, but deep highly esteemed, and, where it is abundant, an adorange, mottled with dark brown, on the sunny side. mirable liqueur is made from the fruit; and it is

Cultivation.—This tree is almost always bud-"The apricot is one of the most beautiful of stone ded on the plum stock (on which in July it takes fruit trees, easily known by its glossy heart-shaped readily,) as it is found more hardy and durable than foliage, large white blossoms, and smooth-skinned, upon its own root. Many American nurserymen golden or ruddy fruit. In the fruit garden it is a bud the apricot on the peach, but the trees, so protheir fruit better than in light sandy soils.

make fine heads, and produce an abundance of bloscoms and young fruit; but the crop of the latter frequently falls off when half-grown, from being States; but if the newspaper accounts may be returned by the abundance of solutions and young fruit; but the abundance of bloscoms and young fruit; but the crop of the latter frequently a failure of this crop in some of the western frequently abundance of bloscoms and young fruit; but the crop of the latter frequently a failure of this crop in some of the western frequently abundance of bloscoms and young fruit; but the crop of the latter frequently a failure of this crop in some of the western frequently abundance of the crop of the latter frequently a failure of this crop in some of the western frequently abundance of bloscoms and young fruit; but the crop of the latter frequently a failure of this crop in some of the western frequently abundance of the crop of the latter frequently abundance of the crop of the latter frequently abundance of the crop of the latter frequently abundance of the crop stung by the plum-weevil or curculio, to which the lied on, the aggregate crop of the present season, smooth skin of this fruit seems highly attractive. all over the country, bids fair to atone for the defi-Seedling apricots are usually more hardy and productive here, than the finer grafted sorts.

see it trained against the sides of brick houses, and present appearances, will be much greater than evyielding most abundantly. As the apricot, however er before; it may reach the enormous amount of er, expands its blossoms very early, it should not from six to eight hundred millions of bushels—and is too much exposed to the full morning sun."

For the New England Farmer.

THE CORN CROP.

terest of agriculture in this country.

raises costs him more than it comes to—that he can a corn crop better than with any other. buy it cheaper than he can produce it—I set him As for the varieties of corn best adapted. down as a man in great danger of cultivating a too ticular localities—not to particular soils, for corn intimate acquaintance with the sheriff. It is true will grow with manure on any soil—there need be that the proper adaptation and manuring of the soil little said, for this grain has a wonderful faculty of for corn, the hoeing, the harvesting, the husking adapting itself to almost any climate. The large and the shelling of the crop, ordinarily involve a southern corn, if planted at the North will gradugood deal of labor; but then it should be borne in ally become smaller, until it attains a growth adaptmind that no other crop so well subdues the land, ed to the climate; and northern corn, planted at or leaves it in so good a condition for other crops—the South, undergoes a corresponding change there. that none affords such indispensable food for both It is true, however, that the varieties may be someman and beast, or can be adapted to so many pur-what ameliorated. In a recent number of the Far-poses. When hay is twenty dollars a ton, the stov-mer, in answer to a correspondent, you stated the er from the corn-field is no small item in the feed "Early Jefferson" to be the earliest corn. Now I of cattle, to say nothing of the one or two tons of have cultivated for years the common kind of yelpumpkins per acre, which may be raised along with low "eight-row" corn, made earlier than usual by a the corn without sensibly diminishing the latter fortnight, by a farmer in Vermont, who for eight erop. All observing farmers agree also, that not years in succession plucked the very first ripening only Indian meal, but the stover of corn, constitute cars in his field and preserved them for seed. I althe very best food for cattle, and especially for ways have green corn of this variety from the middle cows in milk. The milk, the butter, and the cheese, to the twentieth of July; and year before last I gathfed pork," for everybody knows of it.

by the fly, the midge, the rust, the drought, or by ble for cultivating in more northern latitudes, for too much wet-rye may "winter-kill," and oats may three months of good weather are all that is wantblast—but corn does not fail, on an average, once ed to grow and ripen it.
in twenty years. There may be partial failures I am inclined to think that there is no very great

Apricots generally grow very thriftily, and soon failure has occurred but once in New England withof the times; for the prosperity of the country has become so far identified with corn, that even the This is a favorite tree for training on walls or es-failure of cotton could scarcely affect it more. The paliers, and, in town gardens especially, we often aggregate corn crop of the present season, from be placed on an east wall, or in a situation where it have contributed to swell this great aggregate is the poorer for having cultivated corn. It is all nonsense to say that the erop, in any ease, "costs more than it comes to."

As to the best mode of harvesting corn, I will say a few words. Where the saving of the stover is an object—and I do not know the place in New Mr. Editor:—In my summer rambles about the England where it is not an object—nearly all good country, no one object has afforded me more grati- practical farmers agree that the best way is to cut fication than the appearance of the corn crop. Not it up as soon as the ears are out of the milk, and only does that crop exhibit a high state of promise, while the leaves and husks are green, tie it in bunbut it seems to me that a much larger aggregate dles, and place those bundles in "stooks" to cure. breadth of soil than usual has been applied to it the As soon as they become dry, the corn may be present season. This, in the face of the partial husked, and the stover stowed away in the barn; failure of last year from the drought, indicates that the value of the corn crop is compelling a proper appreciation from our farmers, despite of the seems good farmer tells me that the stover of his corning heavy labor of its cultivation. I rejoice at this; field is better than a ton of hay per acre, and that it for I honestly believe that, with the decline of the very nearly pays for the labor of cultivating the corn crop, we may date the decline of the great in-crop, from the fact that such labor interferes very little with the time necessary for having, and for When I see a farmer figuring up the expense of harvesting other crops. Besides, he says, any other cultivating corn, and declaring that every bushel he crop, be it grass, grain, or potatoes, will rotate with

As for the varieties of corn best adapted to parmade from "corn feed," are always superior to those ered a quantity of perfectly ripe ears on the 5th of made from any other; and it is not necessary for August. It is not "sweet corn" in the usual acceptame to say one word as to the superiority of "corn-tion of the term; but it is much sweeter and more palatable for cooking green than the "Early Jeffer-Again, corn is the safest crop that can be cultivated. Potatoes may rot—wheat may be destroyed ing. This early variety of mine would be invalua-

from drought or frost, but anything like a total difference in the varieties of corn, in regard to the

tiptoe to reach the ears, seldom, I am told, yields shall be presented. more than fifty bushels to the acre. In the great, This is certain, where one and a half and two corn-growing Scioto Valley, fifty bushels to the tons of hay to the acre was calculated on in the acre is considered a large average crop. And yet I spring, but little more than one ton has as yet been once knew one hundred and thirty-one bushets to the realized. Whether this deficiency shall be supplied acre, of common eight-rowed yellow corn to draw by the second crop and the superabundance of corn the first corn premium at the fair of the agricultu- fodder, will depend much on the vigilance and inral society in Rutland County, Vermont. This, to dustry of farmers. be sure, is something extra; but fifty bushels to the acre is by no means a crop to brag of, even in what is usually called the sterile soil of old Middlesex. I have raised nearly as large a measure of ears on a square rod, of the common white pop-corn, as of any other; because, though the ears are much smaller, the hills will bear planting much nearer together, and the average number, per stalk, of this variety, is much greater than will hold good of the larger varieties. And by the way, I would recommend a much more extensive cultivation of this variety. The oleaginous matter which it contains, and which causes it to "pop" so freely, renders it very valuable for the fattening of fowls, while "popped corn" is the simplest, lightest, cheapest, I transplanted some cabbages, gave them a single and most nutritious form of unleavened bread watering, and covered them with leaves of rhubarb, known to the world. No family, in these days, or burdock, which I find much better than repeated ought to be without a "corn-popper."

our farmers of entering more largely into the culti- are swallowed up by vegetation in summer! The vation of maize, and then scareely satisfy my own leaves do not merely evaporate the water by the aid feelings on the subject. I do not expect others, of heat, but they have an apparatus by which water however, to partake of my enthusiasm, and so I is emitted from their surfaces, which, when disenforbear; and will close by an affirmation, of which gaged, absorbs a large quantity of sensible heat. A I challenge the disproval. It is this: No farmer

ever yet cultivated too much Indian corn.

Somerville. E. C. P.

For the New England Farmer.

HAY CROP.

Notwithstanding the long-continued growth, and the luxuriant appearance of the fields, there is much season. I have for many years preferred this kind reason to believe that the amount of hay actually of manure to all others, and have almost always secured in condition to be used, will come short of beat my neighbor, the doctor, who is a good gara fair average of the crop for the last ten years, dener. This is true, so far as my observation has extended in the eastern part of the State. The check put on Office called the grass, by the extreme drought of the last year, in many fields, will not be overcome until the land is re-seeded. When the plants are once killed, no fer-They look finely, are ready for picking after the tilizing application will cause them to sprout again. Prince Albert, and before the Marrowfat. They If we do not mistake, an injury of twenty-five per have been cultivated for several years by some Engthis crop. Very few fields were grown sufficiently our culinary articles. Item. — Sow the Prince Alto be cut on the 4th of July. Generally they were bert, Champion and Marrowfat, for a succession of ten days, at least, behind at that time. And subse-productive crops. quently, when cut, it took four days or more to make it, as is usually done in two, in fair weather, ing the use of Taking into view all these circumstances, and the empty condition of the mows in our barns at the The chief use of salt is alleged to be its power of siderably less than average.

the labor of cutting it. We had persuaded ourselves will sulphuric acid, potash, or any other salt, or that one-half of this labor, at least, might be saved, acid, when used in large quantities, and in a conby the proper introduction of machines, to be oper-centrated form. How many bushels of salt to the

yield per acre. The large "tree-corn" of the South will come up to our expectations can only be deterand South-west, where a man is obliged to stand on mined, when a full detail of the experiments made

August 10, 1855.

For the New England Farmer.

LITTLE THINGS:

OR, A WALK IN MY GARDEN.....No. 3.

I do not write about my garden because it is so large, so expensive, or so much better than those of my neighbors, but because every garden possesses its individual interest. Every garden is full of instruction, even that of the sluggard. While taking my walk this morning, I was struck with the

POWER OF LEAVES TO ABSORB HEAT.

watering. The thermometer had been up to 95°, I could write for hours upon the advantages to yet the plants did not wilt. What oceans of heat single large maple in open ground will almost always induce a current of air beneath its shade.

Somebody has said, and it has gone the rounds of the papers, that nitrogenous manures are not good for cabbages or ruta bagas. Now I do not believe it. They love such manures, but the trouble is, such manures should be thoroughly incorporated with the soil, and if possible, prepared early in the

I have a spot sown with seeds from the Patent

CHAMPION PEA OF ENGLAND.

cent. to most of our fields happened in this way. - lish families in this vicinity, by whom they are high-Then, it will be remembered that the early spring by prized. I think they are not generally known was peculiarly unpropitious to the starting ahead of in this State, but will prove a valuable addition to

Some very silly things have been written respect-

SALT AS A MANURE.

present time, it is fair to say, that the crop is con-destroying grubs and worms. Now I would like to know how many bushels, evenly spread over an We have been led to these reflections on the crop acre, would be necessary, so as to destroy a single of hay, from the interest we had felt in facilitating worm? Then, again, it destroys weeds. But so ated by horse or ox power. Whether the result acre would it take so as to kill any weed whatever?

kill everything you plant or sow, except such plants ered in the same manner, and successionally, as are of marine origin. There is, however, one little experiment which I once made with complete very advantageously followed up, because all the success. I had a spot thickly set with Canada this-fruits on a tree never ripen simultaneously; and tles where I wished to make a garden. I manured that they may acquire full perfection, it is importhe ground heavily, sowed with oats, and let this-tant that they should be left on the tree to attain tles and oats grow together. When they were in the necessary degree of maturity, known to the full bloom, I mowed them pretty high, and with a practised eye by certain signs, which it would be tin coffee-pot of beef brine I filled up the hollow difficult to point out, without entering into tedious stocks of the thistles with the same. To some this details. might seem small business, but I passed over the ground faster than I could hoe it when under culti-spring pears, the same proceeding is adopted; it is vation. The result was, that I never saw any this-only by successional gatherings that we can hit upon tles grow there afterwards. I close this article by the proper time, and know the happy medium bedeclaring that I design to make my garden supply tween gathering too early or too late. The gathmy table with something fresh the year round.

Bethel, Me., Aug. 4, 1855. N. T. T.

PROPER TIME FOR GATHERING PEARS.

A late number of the London Gardener's Chronicle contains an article upon this subject by M. prove of service to some of our readers. He says: at hand.

Formerly, when the varieties of pears in cultivation knowing the time when each sort ought to be gath-stances which influence the ripening; but by sucered; but now, when the number of good varieties cessional gatherings, or at intervals, the proper is so much increased, the proper time for gather-time for different localities is best ascertained; and ing the respective sorts cannot be known without a that, in general, all the varieties ought to be gath-certain experience acquired during a period of from ered before their perfect maturity, which should be three to five years, in order that a mean may be ob-attained in the fruit-room. tained. For the maturity of the fruit on the tree

1. On the individual constitution of the tree, and

its liability to change.

2. On the soil in which the tree is planted.

3. On the influence of the stock.

4. On the temperature of the season, whether of the fruit.

does not vary more than 10 days.

of fruits do not, in our climate, merit a wall, where, I hope to be excused attempting any further answer. in fact, they are never so good as in the open ground.

I will answer. It will take just as much as will sequence, become much finer; and these are gath-

The operation of successional gathering may be

With regard to the late autumn, winter and ering of these fruits, in season as above mentioned, commences about the middle of September, and continues till the end of October, or till just before

the fall of the leaves.

When some fruits, neither bruised nor pierced by insects, of a late variety of pear begin to drop, although not affected by strong winds nor by drought; and when the leaves begin to turn yellow and fall from the tree, an attentive and experienced DE JONGHE, of Brussels, a portion of which may person will perceive that the period of gathering is

The same kind of fruit cannot be gathered uniwere comparatively few, there was little difficulty in formly at the same date, owing to various circum-

For the New England Farmer.

"WHAT CONSTITUTES A COW OF NATIVE BREED?"

Mr. Editor:—The reperusal of the criticisms of more or less favorable for accelerating the maturity "W. S. L.," as they appear on the pages of the Farmer for June, brings to mind the propriety of In order to know exactly the mean period of mareplying to his inquiry, "What constitutes a cow of turity on the tree of any particular variety of fruit, native breed?" Mr. L. says he understands by native breed?" it is necessary to observe several trees of such vari- tive breed, one indigenous to the county." That is, ety, planted in different soils and situations. With born in, or having its origin in the county. If beregard to the varieties of Pears which ripen at the ing born in makes the animal native, then all the end of summer, or early in autumn, it is not diffi-offspring of stock imported, that chance to be cult to fix the date when they should be gathered; dropped in the county, will be entitled to the apfor, in the same situation, this, in different years, pellation of native. But if the first origin of the race must be shown to have been within the county, The influence of soil, of stocks and of tempera-then it is as well to admit, in the onset, that no ture more or less warm and dry, is not so great on such thing can be shown; because every one knows early fruits as on the late autumn, winter and spring that all our animals proceeded from stock imported, varieties. With regard to the summer and early at periods more or less remote. So that the reautumn kinds, they cannot always be left to ripen mark recently made in your paper is true, that the completely on the tree, grown as a pyramid or discussion about native breeds resolves itself into a standard, and it is needless to add that these sorts talk about words, and words only. For this reason,

I am happy in having drawn from my friend so val-When a considerable number of fruits is observed uable a mass of facts, relating to the stock of the counto have reached the point of maturity, and when, ty of Worcester. But he will pardon me when I say, with a slight pressure of the thumb, the stalk is that this statement of selected and petted animals readily detached, without twisting, at its junction goes but a little way towards showing the real charwith the spur, a portion of the fruit should then be acter of the entire stock of the county. Possibly gathered, and allowed to acquire their full maturity my estimate that nine-tenths of them were native, in in the fruit-room. This first gathering will ease the sense of the term, as ordinarily used, may have the tree, and the whole of the nutritive sap will be been extravagant; but from the best estimate in directed towards the remaining fruits, which, in con- my power to form, by the use of my eyes and my

ears, wherever I have been, (and I have been in most of the counties of the adjoining States of Maine and New Hampshire,) I have seen no sufficient reason to vary this opinion. June, 1855.

For the New England Farmer.

FARM WAGES AND LABOR.

Mr. Editor:—A writer in the last number of the monthly Farmer finds himself much troubled on account of the high wages which farm laborers are receiving. I shall attempt to show that good workmen receive no more than a fair equivalent for their labor; if farmers wish to employ idle, ignorant, bigoted laborers, they may do so, and it will continue to be difficult to obtain others. The foreigner when he first arrives, may be hired for small wages, yet he is dear "help;" but after he has learned the ways of the country, he demands and obtains as high wages as the Yankee. Much of the farm labor is performed by machinery, and less hand labor is needed now than formerly, and more intelligent labor is required. The farm workman labors more hours than almost any other, and he is much exposed to the weather. It appears to me that the condition of the farm laborer, working 14 or 16 hours per diem, for \$14 or \$15 per month, does not compare very well with that of the medoes not compare very well with that of the mechanic, working ten or eleven hours, for \$1,50 or \$1,50 average health can expect to hold out longer than to the age of thirty-five or forty years.

Then farm labor is not constant employment, for after the farmer has gathered in the products of the soil, he does not require any extra help until it is time to prepare the ground for another erop; consequently, there is, during the winter, but little employment to be had.

There is so much exposure in farming that young

There is so much exposure in farming that young men who commence at the age of twenty-one, without any property, and with the intention of getting a living by working on a farm, and who have an average fortune, usually end a snort life as poor as they began it. According to the doctrine laid down by "E. G. L.," wages ought to be low when produce is high; that is, the farmer cannot pay so high wages when corn is \$1,25 per bushel, as he can when it is only 75 ets. How is this?

Nothing has been said about that numerous tending to their business they may get promoted; but the farm laborer can have no such hope; at the age of twenty-one he is in his prime, and commands short period in which farm labor is really in deto command the best of pay.

South Hadley, . lug., 1855.

that he shall have a fair hearing.

AGRICULTURAL EXHIBITIONS---1855.

STATE SHOWS.

AlabamaMontgomery, Oct. 23, 21, 25, 26.
CaliforniaSacramento, Sept
Canada EastSherbrook, Sept. 11, 12, 13, 14.
Canada West
Connectiont
East TennesseeLondon, Oct. 23, 24, 25.
GeorgiaAtalanta, Sept. 10, 11, 12, 13, 14, 15.
Illinois
Indiana, Oct. 17, 18, 19.
Howa Fairfield, Oct. 10.
Kentucky
MarylandLast week in October.
Wichigan
Missouri
New Hampshire
New Jersey
New YorkElmira, Oct. 2, 3, 4, 5.
North Carolina
Ohio
Pennsylvania
Rhode IslandProvidence, Sept. 11, 12, 13, 14, 15.
Tennessee
Vermont
VirginiaRichmond.
Western VirginiaWheeling Island, 8-pt. 26, 27, 28.
COUNTY SHOWS IN MASSACHUSETTS.
Barnstable, Oct. 10.
Berkshire Pittsfield, Oct. 3, 4.
BristolNew Bedford, Sept. 27, 27.
EssexLawrence, Sept. 26, 27.
FranklinGreenfield, Oct. 3, 4.
HampdenSpringfield, Oct. 3, 4.
Hampshire
Hampshire, Franklin and Hampdon, Northampton, Oct. 10, 11.
HonsatonicGreat Barrington, Sept. 26, 27.
MiddlesexConcord, Sept. 26.
Middlesex SouthFramingham, Sept. 19, 20.

TOWN FAIRS. Lexington Tuesday, Sept. 25. Leominster Wednesday, Sept. 26.

How much Manure do we Use on an Acre?— An acre of land contains 43,560 square feet, 4,840 square yards, or 160 square rods. By those who have used guano, it is said 300 pounds is sufficient to manure an acre; 3025 lbs. would just give one ounce avordupois to the square yard. A cubic yard of highly concentrated manure, like night soil, would, if evenly and properly spread, manure an acre very well. A cubic yard of long manure will weigh Nothing has been said about their numerous about 1,400 lbs; a cubic foot not far from 50 lbs, class called day laborers, men beving large families | A cord contains 128 cubic feet; a cord and a quarter of the support, and who are compelled to get their lies. to support, and who are compelled to get their living by working out by the day on farms. Employment is far from being constant with them, and to give a condition in the square rod. If liquid manure be used it would take 170 bbls. their condition is, if possible, worse than that of the would be equal to about 50 pipes or large hogsto give one gill to a square foot upon an acre, which mechanic or the laborer for manufacturing compa-heads. It would be quite useful if farmers would nies, for they have great reason to hope that by atbe a little more specific as to the amount of manure applied.

How to Make a Horse Carry his Tail as high wages then as ever, and considering the STRAIGHT.-I had a very fine colt, that carried his tail on one side and was continually throwing it over mand, I think that Liborers in that business ought the driving line, when to cure him of this habit, I braided a loop in his tail and tied it with a string to the trace on the same side on which he carried it, and when he found it was tied, he would pull on it, REMARKS. - We cannot agree with all that when I would let him up a little gradually on the "E. N." says in this article, but are quite willing sitting until at length he came to carry his tail perfeetly straight.—Boston Cultivator.

EXTRACTS AND REPLIES.

DRAINING-TRANSPLANTING-WALL-BUILDING-OLD PASTURES-WHEAT CROP.

several years, and two years since bought a farm of dred years. over 100 acres, and in summer, after a six months above science—I do the most of the work on my cleared land (60 acres) with my own hands, and like to ask about a thousand questions through the good condition. Farmer, and perhaps shall, in the course of a year.

acres, that bears upon an average about two tons per acre of hay, when cleared—and some of it has been moved for forty years—but it is quite wet. Would it be best to underdrain it, or cut a deep, open ditch, or just cut a shallow channel to give or work with a cultivator as deep as you can, withcourse to the surplus water? (a.) Some such ground out reversing the sods. in last summer's drought dried up so that the grass was killed for quite a distance from such a deep ditch. Query: Does not such kind of ground require much water to make it productive?

2d. Is the fall a proper time to set out native seedling apple trees, of five years growth from the seed? (b.) Will such trees, set out in the fall, and others of the same kind, set out in the following spring, bear alternate years, as some assert? doubt the correctness of the theory.

3d. Is it the better plan to level the ground where stone wall is to be laid, or should the ground remain unbroken? Some say that if the surface is disturbed, it will heave more than if left unbroken. (c.)

4th. Is the best way to improve the feed in old hilly pastures, to harrow them in the fall thoroughly, and sow timothy and clover on them at the

Lastly, should ground broken up in the fall be plowed again in the spring, for a wheat crop? (e.)

Answers to the above, through the Farmer, would

much oblige your subscriber, BENJAMIN BRUNNING. Glover, Vt., 1855.

jured by draining too much. The quality of the dow muck and barn manure would probably be land itself must determine how low the water must better than lime, plaster, or any of the common be reduced below the surface. On compact, heavy stimulants, such as guano and superphosphate. If meadows, the water may be drawn lower than on the meadow muck had been mixed with lime, those that are light and porous. Some meadows thrown into a heap, and remained a year, it would of the latter class are so exceedingly light that when be still better for it. the water is drained from them for the depth of 18 or 20 inches, they will burn, on taking fire, like destroy some of the weeds which infest the farm. stacks of peat, and be rendered nearly worthless.

vice to your operations.

fallen, and throw the earth about their stems 8 to seed bolls began to form and then they were

12 inches high. We do not believe in the alternate year theory.

- (c.) If you mean to have a stone wall remain Mr. Editor:—For a few years in my "teens" I where you place it, and stand the test of frost and "worked out" on a farm, after which I followed shoe-time, dig a trench three feet wide and two deep, making for a living; this proving a detriment to my and fill it with small stones, if you have them in health, I studied, and have practiced, in the winter, abundance. If not, the depth may be less. A wall Phrenology. I have had a desire for agriculture for well-built on such a foundation, will stand a hun-
- (d.) Pastures may be greatly improved in the tour—from October, each year, lecturing on the manner you suggest; but whether that is the best way, or not, we are not able to say. Pastures often love it well. I am healthy and happy. I should fail for want of seed, even when the soil is in pretty
 - (e.) If the land intended for wheat is sward, it 1st. I have a "swale," or swampy piece, of 7 or 8 would not be best to disturb it in the spring, beeause it would be very expensive to break and pulverize the sods which were turned under the previous autumn. Plow with a light, one-horse plow,

RYE-WEEDS.

FRIEND BROWN:—I wish to inquire through the New England Farmer what is the best time for sowing rye, and what manures are best adapted for it? I have lime, plaster and compost. Will rye do well, two or three crops in succession, on the same ground?

What will, if anything, kill a weed known here by the name of Jacob's Ladder? I have tried every thing I can think of, but to no effect. Any light on the subject will oblige many young farmers, and I presume old ones, too.

Petersburg, Aug. 6, 1855.

Remarks.—To ensure a good crop of rye, it should be got in as early as the middle of August; it will then have time to make strong roots, and will resist the effects of winter much better than when the roots are young, tender and feeble. The kind of manure best adapted to the crop, depends in a great measure upon the kind of soil upon which the crop is placed. On the light, sandy soils upon REMARKS.—(a.) Good meadow lands may be in-which rye is usually grown, a good compost of mea-

Nothing short of never-tiring perseverance will Several years since a patch of chiccory made its ap-Examine with care those parts of the meadow, pearance in one of our mowing fields, and was along the edge of the upland, where good grasses promptly dug up with a spade, but soon appeared grow luxuriantly, and see by digging what the state again. That process was repeated six or eight of moisture is there at various seasons of the year, times, but still it grew. It was then cut off just as this may afford suggestions which will be of ser-below the surface, and a handful of salt applied to the bleeding wound, but this did not kill them. (b.) Yes. Set them soon after the leaves have This summer they were allowed to grow until the

pulled up, some of them requiring the strength of ent season. I am no alarmist, nor have I any distwo men to accomplish it. To-day they have broad, position to increase the price of this almost necessaluxuriant leaves, and are growing as vigorously as within a week, I have known a contract to supply ever. Now, friend "S.," if you will tell us how to one hundred bushels of potatocs of prime quality, destroy chiccory plants, we will offset such service as taken from the field, at forty cents per bushel. by informing you how to kill "Jacob's Ladder."

HOW TO USE MUCK.

Will you give me the best way of using muck on my land? My farm is situated on a rising piece of land, and is mostly sandy loam. I have just commenced farming for myself, and hope to be, some- which will make known the objects of the Society, time, a practical and thorough tiller of the soil.— Crops for the most part are backward in this section of the country, but are growing fast, and look promising; the hay crop seems more abundant hibition a personal matter, and give it all the influthan last year. James F. Butler.

Monmouth, Aug., 1855.

year, mix it with ashes or lime, and use it in that none, whatever business or profession they may be way on your sandy loams. The best use of muck, engaged in, but may be benefited, directly or indihowever, is as an absorbent. Always keep a good reetly, in the success of such an Exhibition. Not stock near your manure heap, and as the droppings only the best Stock may be presented, but we see of the leanto are thrown down, cover them with the no objection to exhibiting farm implements, specimuck once each day; no labor that you perform mens of fruits, grains, bees and bee-hives, preserved will pay you better than this. You not only get fruits, and everything else having immediate referthe addition of the muck, but it absorbs the volatile ence to the farm. We do not know that it is congases of the manure, and lays them up for future templated that anything beside Stock shall be in-

WINTER WHEAT.

Gent.:—In your paper of Aug. 11, I find an article on "winter wheat," which contains information new to me; and, masmuch as I have a good quantity of such land as is mentioned in said article, I feel disposed to make a trial of the winter wheat, ticut, the Merrimack and the Penobscot, and the provided I can find the seed. Can you tell me where, and for what price, it can be had? If so, by giving the information in your next paper, or as early thereafter as your convenience will admit, you will confer a great favor on a Subscriber.

Winchendon, Aug. 14, 1855.

Remarks.—Winter wheat may be found at the agricultural warehouses, and the price will be, probably, somewhere between \$3 and \$4 per bushel.

For the New England Farmer.

POTATO CROP.

me, that since the late abundant rains, he has no-the various departments. ticed unmistakable indications of disease and decay heretofore been so alarming.

encouraging than for a month past. The general Fine Stock, will feel it to be a duty, as it certainly is remark has been—"never did potatoes look better," for their interest, to contribute to the Show, and "there is no indication of rot," And further, The List of Entries, Exhibitors and Award of

South Danvers. Aug. 14, 1855.

UNITED STATES AGRICULTURAL SOCIETY.

We call attention to the following Circular, and hope all who are interested in the noble art of Agriculture—and who is not—will make this Exence in his power to render it, in all its departments, superior to any enterprise of this kind which REMARKS.—After the muck has been dug one has ever taken place in this country. There are troduced, but suggest, and earnestly desire, that other articles may be allowed a place for Exhibition, even if no premium is offered on them.

We trust that New England will do her whole duty in this noble enterprise. That the hills of Vermont and Berkshire, the valleys of the Connecplains of the Cape, will all send their products to this grand gathering of the people, with the noble specimens of their industry and skill.

A GRAND NATIONAL EXHIBITION OF STOCK— Horses, Cattle, Sheep and Swine—open to competition to all the States of the Union, and to the British Provinces, will be held by the United States Agricultural Society in the City of Boston, Oct. 23d, 24th, 25th and 26th. Twenty Thousand Dollars have been guaranteed by patriotic gentlemen of Boston and its vicinity to defray the expenses; the City of Boston has generously granted to the Society for present use, a fine public square of fifty Mr. Editor:—An observing cultivator informs acres; and \$10,000 will be offered in premiums in

The previous Exhibitions of this Society—at on the vines of his potatoes. Appearances, like Springfield, Mass., in 1853, and at Springfield, those in years past, when the potato was destroyed Ohio, in 1854—were eminently successful, and no by the rot. If this be true, and I know no reason efforts will be spared to render the present Snow, to doubt, it is a fact worthy of notice, in several combining as it does the four great departments points of view—both as it will affect the supply of of FARMING STOCK, superior to its predecessors, this most useful article of food, and as it may The Premium List, with the Rules of the Exhibibe indicative of the cause of the malady that has tion, will be forwarded to all who will address the President or Secretary, at Boston, to that effect. It Never has the prospect of potatoes been more is earnestly hoped that all breeders, and owners of

never have we known potatoes appear to better ad- Premiums, and all the proceedings of the Exhibivantage when brought upon the table than the pres- tion, will be published in the JOURNAL of the SoCIETY for 1855. Annual members of the Society, she gets either haggard and lanky, or round and who desire to receive the Journal, should rememfat; her figure tumbles all of a heap; her ankles ber to renew their subscriptions.

Marshall P. Wilder, President. WM. S. KING, Secretary. Boston, . lug., 1855.

Fay's Portable Hand-Power Hay, Cotton and Cider Press.



rist.

a life-time; for convenience and strength, the frame- waxen dummy in a hair-dresser's shop. In order, work is all secured together with joint bolts, only would do well to cultivate intelligence, to some exking apart for shipment, viz: four post bolts which be called a fading flower; but it is a flower that secure the top work to the bottom, and four bolts will fade very much the sooner for being taken inupon each side, which secure the end work to the doors for the winter like a geranium.—Water Cure side joints; the doors being previously unshipped, you have the two end pieces, two side pieces, and bottom work, which are easily carried by hand.— Two persons will put the whole together in a few pared with the common pilot bread, which is a hard, minutes.

The press being worked by hand power, can be used advantageously in stormy weather, within closed doors, whereas in operating with horse pow-ing and baking is but trifling when it is done on a er, doors require to be more or less open.

No. 9 Commercial Street, Boston.

LADY'S DEPARTMENT.

OUT-OF-DOOR EXERCISE.

same means. Let her loll about all day in a close American Agriculturist. "muggy" house, instead of exerting herself for a due time in the fresh air, and she quickly begins to droop and look unwholesome. Soon her complexion fades or grows discolored, her features are to the fallow ground, the pruning-knife to the vine, puffed or shrunken, her form either wastes or swells, and the furnace to the gold.

give out, her feet spread and flatten; her elastic step becomes a waddle; and her person altogether acquires the style of a cow. Brilliant eyes, on the other hand, complexion to match, features retaining the chiselled outline, a slim and smart figure, neatly turned ankles, finely-arched insteps, are the reward of walking or riding out at a good pace, and for a reasonable distance, every practicable day. And by This machine, the simplicity of which cannot be these means is preserved for many a year a contour, surpassed, has long been desired by the agricultu- the cut of which resembles that of the doe or the It is admirably gazelle. At no period of the year is any healthy rist. It is admirably young woman, of whatever station, obliged to exadapted for pressing hay, change out-of-door recreation for in-door ammsecotton, hemp, wool, rags, ment, except when it hails, or rains, or snows, or pumice, linseed oil, &c., thunders or lightnings, or blows a hurricane. Are &c. Notwithstanding its there not furs? never mind the expense: the war small proportions and extraordinary lightness, muffs, and boas, and all sort of water-proof armor? it is strong and effectual, Young ladies, take the advice of your elders, and, sufficiently so to press to as the old woman says, "Get out!"-in all tolerany compactness requir-able weather. As to necessary in-door amusement, ed. It is so simple in its being rendered in some degree intellectual. Intelconstruction and use, ligence adds considerably to the lustre of the eyes, that any person of ordi- which, without it, have only the glitter of glass beads, nary capacity will readily understand the mode of whilst the best-shaped and most splendidly-colored using it; with common care, one machine will last face which they can be stuck in, resembles that of a therefore, to attract admiration, ladies of fashion twelve of which are required to be removed, in ta-tent, by way of in-door amusement. Beauty may Journal.

Convenient and Wholesome Food.—A very cheap, convenient, and palatable dish may be predry cracker, made of flour and water. These can be purchased by the barrel at a price but a little higher than flour, pound for pound, as they are generally made by machinery, and the cost of maklarge scale. We see the price of pilot bread is For sale by the patentee's agents, Nourse & Co., quoted in this market at less than half a cent per pound above good flour, and as they are nearly as dry as flour, they are about as nutritious. will keep longer than flour without deteriorating or becoming stale. They can be used in a variety of ways, such as putting them into stews of meat, or meat and potatoes; they improve "hash" materially, and are a good substitute for "crust" in potmeat and potatoes; they improve "hash' Every woman, every fashionable woman even, has pic, having the advantage of always being light and a heart at least considered as the organ of circula- wholesome. For an ordinary, every-day dish, put tion; and blood-vessels, on the healthy play of them into an oven after the bread is removed, or which depends the bloom of her face, and which into a stove oven, and let them dry thoroughly; will not play healthily without out-of-door exercise. then break them up and pour boiling water over She has also muscles and ligaments, which have to them, and add a little salt, and butter, cream or brace her up, hold her together, and keep her clean-milk. We know of no more easily prepared, more limbed, but will do nothing of the sort for long, wholesome, and more palatable dish than this, for unless they are maintained in proper tension by the the breakfast, supper, or even for the dinner-table.



VOL. VII.

BOSTON, OCTOBER, 1855.

NO. 10.

JOEL NOURSE, PROPRIETOR OFFICE ... QUINCY HALL.

SIMON BROWN, EDITOR.

FRED'K HOLBROOK, (ASSOCIAT HENRY F. FRENCH, (EDITORS. HOLBROOK

CALENDAR FOR OCTOBER.



CTOBER is upon us, with its transparent atmosphere, and elear, cool evenings. The Summer is over and gone. Through the first Autumn month we have approached,

as it were, the bridge which divides Summer from Winter; we are about to pass it. Let us pay cheerfully the toll of grateful hearts.

The forests have put off their beautiful robes of green,

> so pleasant to the eye, and so cheering to the heart, and now stand clothed in their gor-

hues-pranked out in their richest apparel, only to be laid in the dreary grave of Winter. They shall rise in renewed verdure, and thus Nature gives her by closed up, for "the merciful man is merciful to sanction of immortality to Revelation. He who has his beast," and the good farmer would no sooner said, "seed time and harvest shall not fail," has blessed the husbandman with abundance, and this is the time for his thanksgivings to ascend to that Giver of All Good for his benevolence and his mercies.

No month in the whole year presents a time ble. more suitable for reflection than October. The heat, the labor and the hurry of Summer have farmer Wellman's, and let us see how those evenpassed away—the harvest has been mostly gathered ings are passed. The sun has just gone down in a in, the days are cool, clear and comfortable, the clear and cloudless West, and the chill of evening is evenings are getting long, and the cheerful fire approaching. Do you hear Goodwife Wellmanblazes on the hearth, soon after the sun disappears, "John, it's time to build a fire in the sitting-room; During the day-time the odds and ends of the farm the evening is a-going to be chilly, and your father work are leisurely gathered up by the snug and and the men folks will be in directly." John-a thrifty farmer, and all the necessary preparations boy of perhaps eight or ten summers-for farmer

are made to enter joyously upon the ice-bound season so soon to follow. The late fruit is carefully gathered and packed away for preservation or sale, or is converted into some pleasant beverage for winter use—the latter harvests are stowed away in the barns and granaries—the flail and the threshing machine are busy with their clatter. [We sometimes almost regret that the threshing machines were ever invented, for to our ears, there is nothing more cheering than to hear from all around a farming neighborhood the measured clack of the flail, as it comes longer, or more faint, according to the distance, or to the thickness of "the threshing" upon the floor. Every farmer who was a boy ere threshing machines came into use, will doubtless recall the hours and hours that he has listened, in a still, sunshiny day, to the clack, elack—clack, clack—clack, clack, of the flails coming from the threshing floors for miles around him. Many and many a time have we done so.] The eattle floor is carefully prepared for its winter tenants.

Are there any loose clapboards or battens upon geous Autumnal the barn, they are made fast, and every air-hole through which the sharp blasts of winter can penetrate to make the cattle uncomfortable, are carefulsee one of his oxen suffer from cold through his own negligence, than one of his children. As the sailor, when he sees the storm approaching, takes care "to make all snug"-so the good farmer, as winter approaches, takes care to make all comforta-

And the evenings of October! Go with me to

as he is bidden, and soon a bright fire is blazing up- Agriculture may direct? on the hearth. The farmer and his family, having partaken of a bountiful repast, gather around the cheerful blaze. Farmer Wellman takes his comfortable chair in the corner, and the wife and daugh-Heaven, and then all is hushed and still in that should be left standing about 18 inches apart. dwelling, till daylight begins to streak the East, when the bustle of a new day of labor and happiness is welcomed with thanksgiving; and so pass away the October days and nights of Farmer Wellman and his neighbors.

And with the beautiful rotation of the seasons, pass the beautiful rotation of the farmer's labors and the farmer's pleasures. Honest industry is sure to afford independence, happiness, and peace at abundance, its good qualities were not immediately all seasons of the year. The farmer depends more than any other upon the beneficent God above him, and the vielding earth beneath him, and every other occupation in life depends mainly upon the farmer. Honored and respected beyond all other employment, be that of him who tills the soil.

But, bless me, and yourself too, kind reader! We have become so interested in the pleasures and appearances of October, that we had well-nigh forgotten its appropriate duties, and must leave them now to your own good sense and suggestions; only hoping that beautiful October may prove to each of you, all that we have said of it above.

For the New England Farmer.

COUNTY SHOWS.

days of October. Might they not be so arranged States. as to come on successive days, between the 20th of September and the 20th of October? Ought it not to be provided by law, that all those societies which are sustained by the bounty of the State of sold Esquire Miller, and for some time was called Esquire Miller's are sustained by the bounty of the State, should best.

Wellman's boys begin to help round early-does have their exhibitions at such times as the Board of

For the New England Farmer.

RAPE PLANT.

Noticing the communication of "P. A. F.," of ters are seated around the table, sewing, or knit-Shaker Village, N. H., and "A. B.," of Sudbury, ting, or performing such still household duties as I remark that there is a summer and a winter variare requisite; the boys are variously disposed. Far- ety. The seed of the former is not quite so large mer Goodyear and his son Thomas come in to spend as the latter sort, which was probably tried by both of your correspondents, but better suited to the the evening, and there they sit and discuss the New England climate. It is the same as is imwhole round of farmers' duties—the crops—the prospects,—&c., &c., and as likely as not they end their evening conversation by a discussion of nation—the prospects,—the prospects,—&c., &c., and as likely as not they end their evening conversation by a discussion of nation—the prospect of the prospect o their evening conversation by a discussion of nation-al or State politics, for no men are better posted mer rape now in bloom, which was sown in drills up in such matters than these two farmers. The in May, and some of the lower seed-pods have women folks talk of their butter and cheese, their nearly filled out. The seed sells at about \$4,00 per caps, bonnets, dresses, &c., and the younger fry engage in such conversation and fun as befits the time and place. The old clock in the corner strikes ten. The only crop that ever came within my personal The visiters, with the asseveration "that they didn't knowledge in this country was raised by a farmer have any idea it was so late," bid good-night; the in Pennsylvania, who thought that it paid him well family assemble around the table, the Holy Book is read, and an ardent and sincere prayer ascends to aloud the left standing to left standing the left standing that the left standing

For the New England Farmer.

THE PROGRESS APPLE.

The Progress Apple is a native of this place, and the original tree is now standing,* although it has probably yielded regular crops from a period quite

Situated as it was, where farms have been well stocked with apple trees yielding good fruit in great tested, and it was at first considered only as a late fall apple. But they were found, after a fair trial, to rival the best winter apples as a late keeper; thus they are a favorite for the table from October to April. The tree is a good grower (not quite so rapid as the Baldwin) and forms a very handsome head; bears early, regularly, and most abundantly.

Fruit rather above medial size, roundish, and very fair; skin smooth, and when gathered, a light green, with a tinge of red in the sun; when fully ripe, a clear light yellow, with a beautiful blush on the sunny side, and sometimes sprinkled with a few scattered gray dots. Flesh very tender, juicy, with sprightly and remarkably agreeable flavor. As a market fruit it is very profitable, owing to its productiveness and ready sale. The trees bear well by the road-side, or in pastures, and in the cultivated garden or orchard the fruit is superb.

They have not failed for years to draw a premi-On looking over the appointments for these, it um from the Middlesex County (Conn.) Agricultuseems they are to be holden in five of the counties, ral Society, and at the Connecticut State Fair last on the 26th and 27th days of September—in four October, took the first premium as best new seedof the counties, on the 3d and 4th days of October ling. It deserves an extensive dissemination, and is in four of the counties, on the 10th and 11th sure to do well in any of the Northern or Western P. M. AUGUR.

Middlefield, 1855.

A VIEW OF LABOR.

in the formation of any class of individuals as an much as Adam did for his disobedience. exemption from labor, or promised prosperity to spring from habits of idleness. Among savages and other improvident people, starvation, as a punishment, is the inevitable consequence of their indolence and disregard to the faculty of foresight. Farmers and mechanics have frequently failed for want of self-respect. Instead of herding together, as the manner of some is, in low drinking houses, to degrade themselves, if they would spend their leisure hours in using means to inform, enlarge and elevate their minds, by reading the productions of callings they would soon find that instead of being degraded by labor, that degradation had sprung from another cause. Ignorance and vicious habits will depreciate a man's self-respect and often lessen his self-esteem. The farmer who is supplying the world with the staff of life, ought to consider his position as high, and his occupation as respectable, as the quack that supplies the world with his nostrums, impregnated with the seeds of death, or the mountebank that gets rich by his impositions practised upon a credulous multitude.

It is the man that makes his calling respectable, and not the calling the man,—an infamous character will disgrace any profession. Labor has a moral influence connected with it; there is less dissimulation and temptation to dishonesty among farmers and other laboring classes, than exists among politicians and the learned professions. The man that labors ought to consider himself a man, and use the means to be a respectable man, and that will elevate his business to respectability; let him investigation, he would probably find that the trees qualify himself to fill his station, be it what it may, from which his sprung, have been in the habit of by gaining the requisite knowledge required to make him master of his art, whether farmer or mechanic, then he will have confidence enough in himself to have a mind of his own, and not feel degraded at seeing the displays of officious coxcombs that make pretensions to superiority.

After all the arguments and examples to the contrary, a good moral character is an essential ingredient in the formation of a man. A rogue, himself being judge, esteems an honest man more than one of his own feather. What man whose charac-introduced into his orchard. ter for knavery is established, can abide long in a He is like the troubled sea, and has to live by shifting his place and changing his name, and wants eyes behind to see who is in pursuit; once a rogue, always suspected. No man under the sun, preposterons; when he said to Adam, "in the sweat this feed corroborates the above theory of thy brow thou shalt cat bread," the prediction or A writer over the signature of W. W. B., in the

admonition is rather to be considered as the prescribed means of self-preservation, than as a curse on him for disobedience. Labor and health are so Mr. Editor :- Manual labor or work is dreaded dependent upon each other, that we may as reasonby some, and despised by others, and very few have ably consider health a curse as to consider labor a natural love for it. The love of labor is acquired curse. And to wind up: an idle man, whether by habit and perseverance, in a great measure. God rich or poor, is an excrescence deriving its nutrimade man dependent upon his own efforts to feed ment from the industry of the working classes of and clothe himself; he has hands, and intellect to the community, and merits the curse for his lazidirect his hands, and God has shown no partiality ness and breaking the fourth commandment as

> Wilmington, 1855. Silas Brown.

> > For the New England Farmer.

REMEDY FOR CURCULIO---APPLE TREES.

Mr. Editor:—I noticed in the Farmer of June 30, a communication from John P. Wyman, upon the ravages of the curculio, and have since been looking for some person to point out a remedy. I have for years been unable to obtain plums in conlecture each other on the subjects of their respective sequence of that insect. This season, having made an ointment by mixing snlphur with yellow snuff in lard, and applying it to the body and limbs of the trees, I have so far checked their operations as to allow the trees at this time to give promise of an abundant crop.

Mr. Wyman appears to despair of good results from his apple trees. I think him premature in his conclusions; there are, probably, a number of reasons why he has not a good crop; his trees may be making wood too fast to bear fruit. I have some in that condition, and I have noticed the same in other orchards, which have afterwards yielded abundantly. Mr. W. speaks of a fine blossom this year; it was so with many of my young trees which have now less than a dozen apples each, and yet I cannot attribute it to the insects entirely, as trees of the same age, and in the same orchard, are now loaded to excess with the choicest fruit. This result would surprise me, had I not for years been acquainted with the character and habits of these different kinds of fruit. If Mr. W. would make an producing their main crop in the even years, and that his trees being a part of the original tree, will ultimately develop the characteristics of the parent.

If Mr. W. will take the trouble to call on me, I will show him some trees, burdened with choice fruit, than which none better can be found in the country, which have been in the habit of bearing abundantly in the odd years only, resting from their great exertion through the even years.

Mr. W. need not despair since such fruit may be

Charles Eastman.

South Hadley, Aug. 24, 1855.

Good Horse Provender.—The best provender who knows right from wrong, or has any regard that we ever gave to a horse was a mixture of twofor his own good, who will not enjoy himself better, thirds out meal and one-third corn meal. The out and wear a more comfortable conscience by work-meal had been thought by some physiological cheming either by hands or head than spending his time lists to contain much muscle, or flesh-forming matter, in idle dissipation. That the impression gained and the corn meal to contain much fat-forming macredence, or previded among mankind, that labor terial, and therefore, when combined together, we was the curse of God for Adam's disobedience, is get both principles combined. Our experience with

Rural New-Yorker of the 21st, recommends a mixture of oats and rye for horses. We think his plan two crops, the same season, but force the soil to

therefore copy it.

ly, who was an experienced farmer, having farmed some plant not easily affected by the frost. But both in this State (N. Y.) and Ohio, and his manner two crops is common on nearly all the land they of raising horse feed was this:—I take about 2½ cultivate. Where we saw sweet corn just getting bushels of oats, and mix with them one bushel of large enough to boil, some other crop had been rye, and sow this amount to the acre. The rye will large enough to boil, some other crop had been rye, and sow this amount to the acre. support the oats in case of a heavy growth, and pre-cultivated, harvested, and sent to market. Half an vent lodging. In this manner I have raised sixty, acre in celery had yielded a good crop of onions seventy, and even eighty bushels per acre." The this season, and so of many other things. The soil soil must have been very strong to do that, but the itself is fine, porous and warm, so that when highly mixture is about in the right proportion.

A MORNING IN A MARKET GARDEN.

wheat, corn, potatoes and oats, and pastures and omnibus horses are kept in Roxbury. milks or fats herds of cattle, might find lessons of On visiting the house, we discovered something pleasure and profit by an occasional visit to some of of the secret of Mr. Rand's success in gardening, the market gardens in the vicinity of Boston. Un- in a well-selected library. He has not been entireless he has already done so, he little conceives what Iy satisfied with the experience of himself or his a different kind of business the cultivation of those father, who cultivated the same grounds many gardens is, compared with the ordinary modes of years before him, but has sought information from farming, and what an amount of product they are the experiences of others in our own country, and forced to yield. Such a visit would afford him many in the best foreign works which treat of his busiexcellent suggestions as to his own modes of cul-ness. In this way he avails himself of the improveture, and would enable him to supply his table with ments which science suggests, and the knowledge the choicest fruits and vegetables, and to produce gained by others in similar pursuits. the latter in great abundance, at a cheap rate, for the stock of his own farm.

dens and grounds of Isaac P. Rand, Esq., of Rox-numerous market gardens in the vicinity of Boston. bury. Mr. Rand is one of the firm of Rand & Darling, Quincy Market, who deal largely in all sorts of vegetables. Their sales of sweet potatoes this year, at the rate already attained, will be nearly thirty thousand bushels! the collecting, packing and shipping of which requires the time of one or two men for several months at the South.

The grounds Mr. R. cultivates at Roxbury were aeter; covered with ledges and boulders of that peculiar character called pudding stone, and mingled with them, briars and bushes of every description. walls we have seen, and hundreds of tons of the small- than medium height (the mare being short-legged,) er ones in the ditches that underlie every part of the garden. All this, however, did not clear the grounds, figure. as there is searcely a square foot now but is covered with the flint-like pebbles broken from the masses inform me of the best method of training a horse of pudding stone, or with its softer and decaying to the saddle? Is it a good plan to "bit" horses? parts. The hoe must ring at every stroke, and the checking the head higher, or in any other way. plow grumble as it goes like a young volcano beneath the feet. And yet this land, with all these difficulties to contend with, is annually covered with the most luxuriant and perfect crops, and is a strik-ries would be of service to many persons, and we ing illustration of what skill and industry may ac- hope some one well acquainted with the subject will complish.

These gardeners are not content with one or of raising the two together, pretty good, and we yield three; beginning, perhaps, with early peas, "I had," says he, "a conversation with a man late- then potatoes, and closing with cabbages, celery, or manured, seed germinates quiekly, and the young plants grow rapidly. But in order to accomplish all this, large quantities of manure are necessary, The large farmer, who raises broad fields of and these they procure from the stables where the

We found both gratification and profit in our visit, and have no doubt our farmer friends may do the We were invited last week to look at the gar-same by spending a morning in some one of the

For the New England Farmer.

INQUIRIES ABOUT HORSES.

Mr. Editor:—I am a constant reader of your monthly. I have always worked on a farm, and like to be about horses. Having seen an article in your weekly, entitled, "A Short Chapter on Horses," I am induced to make a few inquiries respectoriginally of the roughest and most forbidding char-ing them. And first, allow me to ask if I should be likely to get a good colt from a mare that is very stout built, but a rather clumsy traveller, and earries her mouth a little open if her head is checked up, but shut if she is allowed to carry it as she The large rocks have been used in one of the most pleases, which is very low? She is a first-rate work beautifully constructed as well as substantial stone horse. The stallion is a noble animal, rather more with a fine head and neck, is deep through the shoulders, full breast, and is altogether a very fine

I am fond of riding horse-back. Will you please Can a long-gaited horse be made to stop short, by

AN INQUIRER. August, 1855.

Remarks.—Proper answers to all these quesreply to them through the Farmer.

On

U. S. AGRICULTURAL SOCIETY.

SCHEDULE OF PREMIUMS.

Premiums will be paid in silver plate or money, On Tuesday afternoon, Oct. 23d, a trial of speed at the option of successful competitors, who must will be held, open to all horses that have never become members of the society; and the beautiful trotted for money. Exhibitors to drive, and to be Diploma of the society will be presented to every persons who have never driven for money. Exhibitor to whom a Premium is awarded.

CLASS I.—CATTLE.

0.7	1 - 7	SHIP	HERD	PPEM	T'M

	-71	o. 1.— 1 HE	HERD PREMIUM.
For 1	best Bull : Id best do.	and four Cow	rs, from any one herd\$300
		No. 2 S	HORT HORNS.
		I	BULLS.
Three	e years ol do. do.	d and upwar do. do.	ds, 1st premium\$100 2d premium50 3d premiumDiploma.
Two	years old do. do.	and under the do.	hree, Ist premium\$50 2d premium25 3d premiumDiploma.
One ;	year old a do. do.	nd under tw do. do.	o, 1st premium\$25 2d premium10 3d premiumDiploma.

COWS AND HEIFERS.

do.	do. do.	2d premium 3d premium	
Two years old	and under t	hree, 1st premium 24 premium	25

e year old and	under t	two, Ist	premium\$25
do.	do.	24	premium10
do.	do.		premiumDiploma.

No. 3. - DEVONS .- Premiums the same.

No. 4. - AYRSHIRES .- Premiums the same.

No. 5. - HEREFORDS .- Premiums the same.

No. 6. - JERSEYS .- Premiums the same. No. 7. - GRADE COWS .- Premiums the same.

No. 8. - NATIVE COWS .- Premiums the same.

No. 9. - MILCH COWS.

Five years old and over. Ist premium

				bremiam
	do.	do.	24	premium
	do.	do.	3d	premium50
	do.	do.		premium25
Three	years	old and	under fi	ve, Ist premium\$75
	do.	do.	24	premium50
	do.	do.		premium25
	do.	do.		premium

No. 10. - WORKING OXEN.

Four	years o	ld and	upwards,	1×t	premium\$100	
	do.	do.		21	premium	
	do.	do.		4d	premiam25	

No. 11. - STEERS. to years old and under four 1st proming

do.	do. do.	2d premium
	No.	12 FAT CATTLE.

do.		
at Cow,	1st premium\$50	
	2d premium	

Class II.—Horses.

The premiums on horses vary from \$200 to \$20; want of space prevents us from enumerating them.

FAMILY HORSES. 1st premium.....

3d premium	
4th premium	 25

DRAFT HORSES.

Matched Draft	Horses,	1st	premium\$100
do.			premium
do.	do.	34	premium25

Single Dra	ft Horses,	1st premium
do.	do.	21 premium25
do.	do.	31 premiumDiploma.

				\$200
2d pre	mium.	 	 	 100

On Wednesday afternoon, Oct. 24th, a trial of speed, open to all horses that have never trotted for money. Free to all drivers.

Ist premium	\$200
2d premium	

On Friday forenoon, Oct. 26th, a grand trial of speed, free for all trotting horses and all drivers.

1 '	U	
1st premium		\$300
2d premium		

CLASS III.—SHEEP.

Premiums range from \$25 to \$10, and 36 of them are offered, and 10 Diplomas.

CLASS IV .- SWINE.

Twenty-six premiums are offered, varying from \$25 to \$10.

Discretionary Premiums.

One thousand dollars have been set apart by the Executive Committee, to be awarded in discretionary premiums, should objects of special interest, not provided for in any of the classes, be presented.

For the New England Farmer.

SHORT PASTURES.

On all sides we hear complaints that feed is short. The milkman says his cows are falling off. The butter man says that his cows do not give their usual measure;—that he must cut off a pound from each of his customers. What shall be the remedy for all this? I prepared for this in the spring. I planted corn in May and June, that I might have it to cut up in August and September, ready to be distributed to the cows every night on their return from pastures. But, says the careful calculator, "of what use is it to distribute green corn to cows? It will not increase their milk. I have tried it again and again, and am satisfied of this." Can this be so? It is so averred by sensible men. I have often heard it, and could name them. Why it is that an article of food so palatable and nutritious as green corn is supposed to be, will not produce milk, it is not easy to understand. That this kind of feed will continue the animals in good condition, and improve their butter products, is clear beyond doubt. In proof of this I beg leave to quote a paragraph from an address by Timothy Pickering to the Agricultural Society, February, 1828, of which he had just been made President.

"Every farmer knows how eagerly eattle devour the entire plant of Indian corn in its green state. Some years ago, just when the plants were in the milk, I cut close to the ground the plants growing on a measured space, equal, as I judged, to the average product of the whole farm, and found that at the same rate, an acre would yield twelve tons of green fodder; probably a richer and more nourishling food than any other known to the husbandthe common yellow corn. It is also more disposed colnshire farmers are second to no men in the imto multiply suckers,—an additional recommendation of it, when planted to be cut in its green state, for horses and cattle, and especially for mileh cows; are now drained by steam engines. And the breed and its time of planting may be regulated so as to of sheep which they have is the most profitable for the interval of the control of furnish a supply of food, just when the common pas-their county. SAMUEL ARNSEY.—Mark Lane Extures usually fail. I am inclined to doubt whether press, London. any other green food will afford butter of equal excellence.'

In September, 1828, in his last address to the society, Col. P. says,—"The great value of Indian corn stalks, in their green state, for feeding cattle, at Tiptree Hall, England, in the New York Tribune, milch cows, especially, I have formerly mentioned. furnished by its correspondent, "M. T. H." Mr. To have this fodder in its green and most juicy Mechi was not bred a farmer, but a tradesman, in state, it should be planted at different times; so that the latest planted should attain its proper London. growth by the middle of September, and continue feed for milch cows.

milk for being thus fed—but they come so near est this gathering are invited all the notabilities of the tablishing the fact, that I think it will be taken for day-Ministers of the Crown and Ministers of the granted, until the contrary is clearly shown, by au-Gospel, Poets and Plenipotentiaries, Peers and Comthority more reliable than that of Col. Pickering.

August 25, 1855. AGRICOLA.

CROSSING SHEEP.

deal of crossing the different kinds of sheep—Lei- he expatiates upon his difficulties and explains his cesters with Leicesters, Leicesters with Cotswolds, improvements—he discourses on his crops, exhibits his machine, lectures learnedly on his manures, many other kinds of sheep. I have always found shows how he distributes them, and when the party the Bake-well or Leicester sheep to improve every have acquired sufficient information and astounding kind they have been put to, by giving them the appetites, he concludes the day by setting them down Bakewell barrel form, small bone, and to feed at to a banquet such as a Londoner alone knows how early maturity. The first cross in most animals has been proved the best; the next cross generally probulldogs produce grants, any more than pleasing I ever chanced to visit. England is probulldogs produce greyhounds. It has been proved that a gigantic ram has been produced from a dwarf woods, however improved may be his material conewe; at the same time, it was proved that a giant dition, will not sigh at the fond remembrance of ram lay in the adjoining field, which very easily the village home in which he grew—of the white animal's make be in proportion—not very large in pile from which he caught that first glimpse of the

man." * * "It has appeared to me that the one point, and very deficient in another. Size has sort called sweet corn (having a white, shrivelled nothing to do with profit; it was not what an animal grain when ripe) yields stalks of richer juice than made, so much as what it cost making. The Lindau in the cost making is the cost making.

MR. MECHI'S MODEL FARM.

We find the following notice of Mr. Mechi's farm

Once every year, just at the close of the London till the frost comes, at the close of the month, or season, when every one in town is sighing for a early in October." Thus we see his first and his breath of country air, just before the commencement last lessons of instruction to the farmers of his of the harvest, when the green wheat, fully grown, county, recognized green corn fodder as a valuable is just beginning to get the first tinge of gold upon its ears—once a year, when the days are hottest in I frankly admit these quotations do not prove the town and brightest in the country, Mr. Mechi that cows when fed on green corn will give more has an "Agricultural Gathering" at Tiptree Hall. To moners, Lawyers and Literati, Citizens and Country-folk, Tradesmen and Farmers, imitators and admirers, all turn out to see "Mechi's Model Farm." To these, collected at his hospitable Hall, Mr. Mechi proceeds to show his improvements. He walks For upwards of fifty years I have seen a great them over his fields and through his stock-yard—

duces size and weight, except you put a gigantic Mechi's model processes, and now that all parties animal to the first cross: when I say gigantic, I do will consent to hear and think of Tiptree farm withnot mean an animal made a giant with fat flesh, out prejudice, I shall have a chance of being listened with the head and ears of a dwarf upon him-I to, if I tell you quite the truth concerning it, and mean a giant in frame when in a lean state, with lead you to regard it as it is, and not as you would bone in proportion, aye, and a head and ears in prosee it through the spectacles of faction. As a place portion to his body—a long, thin head, and not a of country resort, then, I am bound to say in the gigantic broad one. Giants do not produce dwarfs, first place that Tiptree Hall is one of the least accounted for the giant being produced from a church spire that pointed up to heaven so fondly dwarf. It has always been said that like produces from the clustered elms of the old manor-house, like, and a fine bone denotes a feeding propensity, scenes of many a farm-house and Christmas revel, and a long face and ears, with a Roman nose, denotes a large breed. The breeders of Lincoln-pled past his cottage door, the village green on shire sheep say that neither the Cots-wolds nor the which he fought his earliest battles, the lane so Downs mix well with their heavy-wooled sheep, calm, so tranquil in the evening shadows, where he but a dip of the Leicester does wonders. So says courted the first fair object of his love, the bank the far-famed Mr. Kirkham, of Hagnaby. Mr. where grew the earliest and brightest primroses, Bakewell always said that extremes were bad, and the bean-field that exhaled its thousand odors to that the middle-sized animals answer the best for the dewy evening, the cultivated farm, the busy profits. But, above all things, said Mr. B., let an mill, the meadow where the land-rail craked, the

perchance unwisely, to desert it: Alas! alas!

ated on an elevated, bleak and barren heath, with-fermented by the sweet rains of heaven. Every clod out a tree within a mile of it larger than a laurel, it in the hard clay at Tiptree was choked by stagnant boasts not a single rural beauty, such as we regard water. He drew it off by deep drainage. Then rural beauty in this country. Mr. Mechi has made the plow let in life and light upon heaps of earth a great effort to compensate for this by artificial which had never felt the influence of either. Still, gardening: but though everything has been done though the land was broken up-though from a that a cultivated taste and a lavish expenditure hard, cold clod of clay, it had been converted into a could effect, yet the result, as a whole, is eminent-dry wold—still, it was poor and needy. Mr. Mechi's ly unsatisfactory. Terraces and embankments have next application to it was, accordingly, intended to been thrown up to relieve the flat monotony of give it strength and heat. By means of pipes carthe landscape—a bog has been converted into a se-fried all over the estate, liquid manure was laid on ries of little lakes-walks of every possible variety freely wherever it seemed to be required, and the have been wound around plantations—tender shrubs ground soon showed how much it was strengthened have been planted and effectually reared on spots and how much it was disposed to give a grateful where nature never intended that a shrub should and hearty acknowledgment of the favor conferred grow-flower beds have been laid out with all the upon it. elaboration of which the Italian style of gardening is susceptible—color has been properly introduced the farmers to ask Mr. Mechi where was his "balwhere nothing was to be seen but drab-colored ance sheet?" You may grow a crop upon one of heather—but still the result is unsatisfactory. The your own razors, was the argument, but what will place in fact, as a retreat, has no capabilities. Na- it cost you? For many years, while the price of ture has pre-determined that there shall be about wheat was low, Mr. Mechi was compelled to acit none of the specialities of an English farm, and knowledge that he had invested more in the soil Nature has yet, in this respect, been too strong for than the soil returned him. But things have now

itate? Now, as to this point I must frankly say are high, I invest no longer, but I reap the benefit that my notions are poised so very equally in my of my investment at low prices. My fields produce mental scales, that I am unable to give a distinct or more than yours; my returns are, consequently, dustry and enterprise may accomplish under the great extent, of world-wide application, and I doubt most unfavorable circumstances. Certainly no one not you have many on your side of the Atlantic, who but a man accustomed to get sharp edges from the will know how to apply them profitably. collision of steel and stone, ever would have thought of trying to cultivate such a place at all. One would fancy that Mr. Mechi had taken up an idea from his shop that you could get a good crop out of stones as well as a keen edge. You should have heard his own account of what Tiptree farm was when he came there! "Vainly," said he, "did I try by solid manures to render this vile, plastic clay, a muriate of lime upon a lawn of about half an acre. useful pasture. It was like bird-lime in Winter, The land was laid down and sown with herd's-grass and like cast-iron in Summer. Poor, indigenous and drab-colored grasses, choked and eradicated the large and drab-colored grasses, choked and eradicated the large and drab-colored grasses, choked and eradicated the large large and large lar finer kinds I had sown, and the animals wandered about, hollow and dissatisfied. Now, fine and fattening grasses clothe the fields with perpetual verdure, the land keeps three times as many animals, and the number of my neighbors to see the effect of the close and shaven pasture indicates their affection for top-dressing, and all who saw it decided that there it." And this description of Mr. Mechi's pasture is was full double the quantity of grass upon that a fine description of his whole farm. Where the drab-colored grasses were alone seen ten years ago, the soil was manured, over that which was not, crops of the finest wheat, barley and oats now clothe side by side. the wold, and greet the sunshine as it merrily glances from the heavens. Every one admits that there can be no finer crops. They are grown from consider it a very valuable manure, especially for very small quantities of well selected seeds; but these small quantities, under Mr. Mechi's system, posted for next season. seem to be more productive than large quantities any where else.

How, then, have these results been produced?

wide, wide world, that taught him there was some. The answer is simple. By deep drainage and liquid thing beyond his lowly lot, and that tempted him, manures, regardless of expense. Mr. Mechi's knowledge of chemistry taught him that the worst soil But Tiptree Hall is unconscious of all this. Situ-might become better, by allowing their pores to be

In by-gone times it used to be a great joke with an. changed, and Mr. Mechi retorts the joke upon the But what of Tiptree as a "model farm?" Is it farmers. "It is not," says he, "the man who farms what it professes to be? Is it what Sir Robert Peel with the least expense, who makes the most money. described it? Is it an example which the farmers When prices were low, and labor was low, I investof the world may advantageously consult and im-ed large sums of money in the land; now that prices satisfactory reply. I have seen better things in greater than yours. And it is the result of investfarming than Tiptree Hall, many better things; but ment in improvements at periods when improve-while I declare this, I must also acknowledge that ments can be made at low rates of wages." Such I never saw so remarkable an example of what in- are the arguments of Mr. Mechi. They are, to a

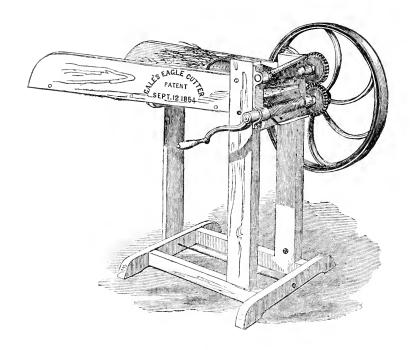
For the New England Farmer.

MURIATE OF LIME AS A TOP-DRESSING.

Mr. Editor:—I tried an experiment with the three barrels of muriate of lime mixed with six cart-loads of meadow mud. The effect astonished me, and at the time of cutting the grass, I called a was full double the quantity of grass upon that part which was manured, over that which was not; side by side.

Some of my neighbors have tried this article grass lands, and am now having a large pile com-

Yours very truly, D. Wood, Lexington, Aug. 20, 1855.



GALE'S STRAW CUTTER.

Massachusetts, and in several other parts of New of this article. These improvements consist of sev-England, will be a short one; flour is still at a high eral alterations, but the principal one is the addition figure, corn commands an unusual price, the South-of another knife—giving two knives instead of one, ern yellow being sold, at wholesale, at \$1,05 on the and doubling the quantity cut in a given time with-1st of September, and rye and other grains propor-out materially increasing the amount of labor. tionally high. Early frosts have already materially injured the corn crop in this region, and hay will be high. We do not say this from any anticipations of want, but merely to suggest a commendable prudence in the use of the fodder which has been laid This may be done by judicious feeding, such as changing the feed, by supplying it frequently in small quantities, but mainly by cutting and mixing the various kinds of hay or straw with roots or meal.

There is various machinery for cutting fodder, and in our judgment it is economy to use the poorest machine among them all, rather than to feed it out long; and this opinion is based upon a winter's experience in feeding eight or ten cows and a horse with cut feed.

In the number of the Farmer for January last, we spoke of a machine for cutting hay, called Gale's Straw Cutter, and gave the inventor's description. This machine we have had constantly in use since that time. A few days since our attention was called to one of the kind, to which has iron tablets, 17 by 23 inches, on which is printed, in been applied some important improvements, and raised letters, (covered with paint, bronze or gilt,)

It is now certain that the hay crop in all eastern which are illustrated by the engraving at the head

A person of ordinary strength may cut a common bundle of corn-stalks in this machine without over-exertion, and hay and straw, with a rapidity and ease altogether unattainable in any other machine we have ever used.

It is also so simple in its construction that any farm hand may take out the knives and sharpen them, or adjust the raw hide properly against which

If a person has but a single horse or cow, it would be good economy to purchase and use one of these cutters, as the saving made would pay for it in two or three years, while the machine would be left, and would last, with care, for twenty years to come.

It is for sale, at various prices and of various sizes, at the Agricultural Warehouse of Nourse & Co., 9 and 13 Commercial Street, Boston.

IRON TABLETS FOR ORCHARDS, &c.—We had on exhibition, sent in as samples by the manufacturer,

so as easily to be read, a copy of "An act for the better protection of orehards, gardens &e.," intended to be placed in some conspicuous position on a post or tree in the grounds. The manufacturer has placed them for sale at the various horticultural and agricultural warehouses in the city. Every town the age of improvements. In some respects, this is throughout the Commonwealth should instruct their true, but not in every respect. It is true with re-Selectmen to purchase some of them, to be fastened gard to the inventions and discoveries which have on guide-boards, as a protection for fruits, flowers been made in science and the mechanic arts; for, and cranberries.

For the New England Farmer.

cruing from its use.

made useful for a fence, thus doubling the value of upper regions of the atmosphere, an acre of land, for purposes of cultivation. Whopreaches well, and practices better.

September 1, 1855.

Sept. 6, 1855.

For the New England Farmer.

WORK OF MOWING MACHINES.

son— $54\frac{1}{2}$ acres yielding 80 tons of hay, cut in $43\frac{3}{4}$ crop, but he made no returns by cultivating and ensay one dollar per ton. One cog and one tooth and worthless. gave way during the operation, for want of proper care in management. He thinks he could cut fif-pulse has been given to agricultural education, by teen acres in a day without unreasonable fatigue of directing attention to the nature and properties of the team. These facts are stated, not because they different kinds of soils, and to the nature, character are extraordinary, but as showing what can be accomplished by a good farmer on his own farm.

For the New England Farmer.

OURS AN AGE OF IMPROVEMENT.

BY JOHN GOLDSBURY.

The age in which we live has been denominated never, since the world began, has there been a time in which so many, so great, and so remarkable improvements have burst upon the world, in a like LABOR-SAVING MACHINERY.

MR. EDITOR:—It was my privilege, a few days succession, that the public mind has hardly had since, to witness some of the operations on the farm time to subside from the excitement produced by of Mr. FAY, of Lynn, which have contributed to the the discovery of one improvement, before it has formation of fertile fields, where very little grew been again excited by the discovery of another, the before; and which now continue them in successful magnitude and importance of which have astonished culture, at an expenditure of labor greatly abridged, the world. These inventions and discoveries have compared with the products grown thereon. Among produced new and important changes in our modes these is a machine for planting, thinning and weed- of living, and in the business transactions of the ing, moved by horse-power, which, judging from whole world. All the oceans, lakes and rivers are the products now growing, does its work to perfection. This machine was introduced from England, world are brought nearer to each other. The at an expense of \$140, but is so much more com- "steam-horse" is heard putting round our hills and plete than anything of the kind I have seen else-through our valleys, transporting the surplus prowhere, that I would commend it to the notice of all duetions of one part of the country to another. curious observers. No person can look upon the extended field of turnips, beets and parsnips there most all the machinery in the world. Besides, the growing, as also Indian corn, to all of which no improvements which have been made in machinery hand labor has been applied, and not be struck with itself are truly astonishing. And when we take the operation of the machine, and the benefit ac-|into consideration the transmission of intelligence, from one part of the country to another, with the I also saw in operation a Rock-Lifter, exceeding-speed of lightning, by the electric telegraph, we are ly well calculated to relieve our New England farms ready to admit, not only that we have lived in an of many troublesome incumbrances—especially in age of improvements, but in a wonderful age. All the way of the plow and of the mower. By the these inventions and discoveries have taken place help of this implement, I believe that two men, within the last fifty years. Mechanical science has with one pair of cattle, had taken out from their advanced with strides so rapid and long, that many original position more than one hundred stones in are anticipating the period, when, by the discovery one day, averaging three tons each, and transferred of some new agency, or by some new application of them to the foundation of a wall, where they were an old one, we shall be able to travel through the

But the question we wish to consider, is, whether ever would know more of these operations, can easi-the science of agriculture has kept pace with these ly learn, by calling on Mr. D. Wetherbee, the far-mer on the premises, who will take pleasure in and justice require a negative answer to this quescommunicating instruction to all who wish to learn. tion. For, ever since the occupation of this conti-Mr. Fay is one of those theoretic farmers, who nent by the Europeans, and until within a few years past, the cultivation of the soil, in any true sense of the word, has been almost entirely neglected. The system of cultivation, if it may be so called, was a retrograde system, a system of deterioration and destruction. The forests fell before the woodman's axe; the trees were burned on the ground; I have recently seen a statement of the work the fields were rapidly cleared, and sowed with done by one of Manny's machines, the present sea-grain; the earth yielded bountifully; man took the hours' labor, with a pair of horses. The person who riching the soil. The consequence has been a reguused this machine, thinks the saving made in grass, lar and constant diminution of the products of the as compared with the ordinary mode of cutting, soil, till the farmers began to think that their lands would be fully equal to a fair price for cutting, were worn out, or had become entirely exhausted

Within the last twenty years, however, a new imand elements of manures and other fertilizing properties. It was soon discovered that the old soils were neither worn out nor exhausted, but required

to be enriched, regenerated and cultivated. The 20 drops of turpentine into one ear; and after waitdiscovery that potash, soda, magnesia, lime, &c., ing a few minutes, I turned her over and poured the were, in fact, the oxides of metals, led the way to same quantity into the other. She soon began to improvement. The elements of plants were exam-|shake her head, and a stream of blood ran from her ined, showing their similarity with the soils on amputated ear. In an hour she was apparently as which they grow, and the due proportions in which well as ever. Since then I have used the same these elements exist in plants for their perfect de-remedy, without cutting off the ear, and have never velopment. The action of the atmosphere upon the lost a sheep by the staggers.—Rural New-Yorker. soil, the influence of rain and sunshine on the growth of plants, the necessity and action of vegetable decaying substances, and the various agencies thus carried on for our benefit, have all been discovered, and are now well understood by every sci-touched by man, however small and insignificant it entific furmer. Still, the application of knowledge, of science, of art to agriculture, is not, even at this day, generally understood or widely disseminated; the number of scientific farmers is small. We have no schools, academies and colleges, especially devoted to giving instruction in agriculture. The farmers, the producers, the very foundation and means on which all other classes are constructed and supported, are without a single school, academy, or college, devoted to giving instruction in the application of chemistry to agriculture. All the knowledge which has been acquired on this subject, has been given to the young, showing the connection between chemistry and agriculture. They have never had exhibited to the eye and understanding, any experiments on the all-important subject of farming. "These things ought not so to be."

As a class, farmers far outweigh in natural advantages every other class; in numbers, they constitute more than three-fourths of the whole nation; yet, strange to say, that, as yet, they have never received any adequate instruction in their high calling—a calling, which, in truth, demands as high an room window an observing bee-hive, constructed of education for its perfection, as any other position in life. There is the same necessity for shedding the light of science on agriculture, that there is upon law, medicine, commerce, manufactures, and the mechanic arts. And no one but a quack would plenty of workers and drones, but without the queen think of following either of these as a calling, till bee. The hive was then carefully observed by one after he had devoted to them years of attention and of the ladies of the family, who has given us the folstudy. A lack of interest on the subject of agriculture, is generally equivalent to a lack of knowledge; for, all who attend to it and study it as a science, become deeply interested in it; and the more they know, the more they desire to know. But poor farms, poor stock, poor productions of every kind, are the natural and necessary results of neglecting this study.

STAGGERS IN SHEEP.—Formerly I lost sheep by this disease, until by experiment I discovered a remedy, which has not failed me for many years, and I think it a safe as well as a sure remedy. About twelve years since I found that a nice ewe of mine, which had two fine lambs, was affected with this disease. She was down by the fence, at the side of struction of queen cells. the pasture, and when she endeavored to walk or run, would stagger and fall, and appeared to be blind. I went to her, took my knife out, cut off an ear close to the head, and to my surprise found the blood did not start; not so much as one drop could I obtain. Thinking my sheep as good as dead, I concluded to try experiments upon her. I returned to my dwelling, and taking a bottle of spirits of turpentine in my hand, went again to the pasture. I had been absent perhaps an hour, but the sheep had

PEEPS INTO A BEE-HIVE.

There is nothing from the Master Hand, unmay seem to some, but is worthy of our eareful study and investigation. We forget that the minute insect, or the worm upon which we tread with loathing and disgust, was framed and received the breath of life by the same Infinite Wisdom which created and animated us. They are governed by laws which they observe far more scrupulously than man does the laws which ought to govern him, even aided as he is by reason, a power they are not supposed to possess. We have no doubt that all the lower orders, even to the timest of them all, enjoy their little life, and contribute to carry out the general plan. If we studied them more, and became more familiar with their habits, we should lose all repugnance to them, and perhaps find lessons of value for every-day life in many of their works and ways. Let us see!

On the 17th of July last, we placed in our diningglass, so that all the operations of the bees could be plainly and conveniently seen. A comb about a foot square was placed in it containing some brood, with lowing account of their doings.

"The first business the bees attended to, was in commencing cells for a queen, and they prosecuted it with energy for two days. At the end of that time, a queen was taken from another colony and placed with them, upon which they pulled down the cells they had made in less than half the time it had required to construct them, and then began to piece out and repair the comb, which needed a corner. The queen at once commenced laying, and soon filled the unoccupied cells, when she was again removed, and the bees once more began the con-

The unhatched bees now began to come forth, and in two weeks the family increased so fast as to make it necessary for them to prepare to emigrate. So they built six queen cells, and in about twelve days, the first queen was hatched. As soon as she was fairly born, she marehed rapidly, and in the most energetic manner, over the comb, and visited the other cells in which were the embryo queens, not moved from where I left her, and there was no seeming at times furious to destroy them. The discharge of blood from the ear. I poured perhaps workers, however, surrounded her and prevented

such wholesale murder. But for two days she was intent upon her fell purpose, and kept in almost by our "better half," have been under the direction continuous motion to effect it. On the fourteenth of the Rev. L. L. Langstrotti, of Greenfield, day the second queen was ready to come out, peep-|Mass., a gentleman of fine native talent, aided by a

it was time to take the first queen and go, but by he turned his attention to the delightful study of some mistake she remained in the hive after the bees, and for more than fifteen years has pursued it swarm had left. The second queen came out as with all the patience and ardor of a first love, until soon as possible after the others had gone, and then he probably has acquired more accurate information there were two in the hive! Several minutes than any other person who has yet written of them. elapsed before it seemed to be known that she was He has explored the subject in other languages, and left, and the two queens ran about on the comb, in his work has brought together the most agreeawhich was now nearly empty, so that they could be ble incidents and information, making it more atdistinctly seen. But they had not apparently, no-tractive than any work of fiction. ticed each other, while the workers were in a state of great uneasiness and commotion, seeming impatient for the destruction of one of them; and the mode they adopted to accomplish it was of the most deliberate and cold-blooded kind. A circle of bees kept one queen stationary, while another party trees, (with peach trees alternately) set out in 1850, dragged the other up to her, so that their heads and now seven years from the bud. I noticed nearly touched, and then the bees stood back, leaving a fair field for the combatants, in which one was to gain her laurels, and the other to die! The battle was fieree and sanguinary. They grappled each other, and like expert wrestlers, strove to inflict the fatal blow, by some sudden or adroit movement. But for some moments the parties seemed either side. The bees stood looking calmly on the dreadful affray, as though they themselves had been the heroes of a hundred wars. But the battle, like all others, had its close; one fell upon the field, and was immediately taken by the workers and carried out of the hive. By this time, the bees which had left, made the discovery that their queen was missing, and although they had been hived without any trouble, they came rushing back, but not in season to witness the fatal battle, and the fall of their poor slain queen, who should have gone forth with them though not so badly. to seek a future home.

There was evidently sore disappointment in this result, for when they realized their loss, they uttered piteous cries, and for a day or two "refused to be comforted," wandering about, apparently without object, and in great confusion.

The hive was now crowded again almost to suffoeation, and after a few days' uneasiness the bees all left and lighted on an apple tree near the window, from whence they were jarred off, and the queen and a half pint of the bees returned to their old quarters, where they are to-day, Aug. 30, doing well. A small colony made in July, was now doubtedly be able and willing to express their brought forward, and after sprinkling it as well as the bees from the house, with peppermint water, so that they might be all of one odor, the two strange harmoniously together."

Our operations with bees, and these observations ing and making various noises to attract attention. most thorough classical education. Prevented from A part of the colony then seemed to conclude that preaching in consequence of the state of his health,

For the New England Farmer.

WHAT AILS THE APPLE TREE?

Mr. Editor:—I have an orehard of fifty apple about four weeks ago the bark was affected on some of them; since then there have been more affected the same way. It is in spots from two inches to twelve or more in length, and about an inch wide, though in a few cases, extending nearly round the tree. Where affected, the outer bark eracks off from that adjacent that is not diseased, and the spots that are diseased shrink to the tree.

I have peeled a few to discover the cause, but equally matched—no advantage could be gained on could arrive at no satisfactory conclusion. In one case the inner bark of last year seemed to be gone, but the wood appeared bright, and I found a small worm about three-fourths of an inch long; although the bark did not seem to have been eaten by the worm; though it would seem that it was, (I am not entomologist enough to describe him,) it was not the common borer, it was slimmer. In other cases the bark was all dead and the wood black. In one case, the tree was girdled except the width of my finger, yet was growing finely, and looks bright. I found no worms except in that one instance. Two of my neighbors have trees of the same age, affected,

In all three cases the bark had been washed with alkali in previous years, though not this year. The first year, I made my solution a pound of potash to two gallons of water, one-half the strength of Mr. Buckminster's wash, since then I have used it weaker every year. Last season I used soap suds. Trees in this neighborhood that have not been washed are not so affected as yet; whether the washing makes the bark more tender, I leave you to judge.

I write, thinking the subject might be of interest to you, and to see if any of your subscribers are troubled in the same way. J. W. W.

Canton, Mass., 1855.

Remarks.—Some of our correspondents will unviews of the difficulties stated above.

CF It has been ascertained by experiment, that colonies were mixed, and have continued to go on a cow will drink about eighty-seven pounds of water in twenty-four hours.

EARLY AND DESTRUCTIVE FROST.

Mr. Editor: — On the morning of August 31, 1855, there appeared the hardest and most destructive frost that I ever knew in the month of August, although I am over 56 years of age. I have taken ing \$20. I am no enthusiast in my admiration of a little pains to look over a part of my record of fancy manures; but when I see well-attested facts the weather, and find the following account for the like these, springing up in the natural way, I feel past twenty-two years:

FIRST FROST IN EACH YEAR, SINCE 1834.

Hard Frost, so as to kill Corn, Beans, Potato tops, Pumpkins, Tomatoes, &c. &c.

	Thermon, at sunrise.		Thermom, at sunrise
1834.	September 30	1845.	October 17
1835.	September 17	1846.	October 1125
1836.	September 728°	1847.	October 1223
1837.			September 1428
			October 1523
			September 3027
	September 2327		September 2528
	October 329	1852.	October 627
			September 3030
			September 2126
			August 3128
	Deptember 2011.11.20	1000.	August 3120

Remarks.—During the whole twenty-two years this and the neighboring towns, equal to that which In August, 1835, a little frost on the 4th. In 1834 none. In 1837 none. In 1838, Aug. 15, a very years in succession, none during the months of Au-|remarks: gust. And none of any consequence for eight of the sixteen years during the month of September, Wuseum, (where they can and will be examined viz: 1839, 1841, 1842, 1845, 1846, 1847, 1849 by thousands of visitors,) I cannot help regarding and 1852. In those years, none in September equal as highly important to your interests, and the reto the killing one of August 31, 1855.

My cranberries have fared the worst. Not one tion. in fifteen but what are rendered soft by being killed by the frost, and are therefore unfit to pick, unless done immediately, and made into sauce. We have done up some, and it tastes not so bad as might be expected, but not equal to fully ripe and unfrostbitten ones. In fact, the loss to me by that frost I consider fully equal to one-third of a crop, to what Down, for the Merino is not suited to their climate. it might be, had it kept off, till the last of September. Most of my potatoes were in the very height of growing, being planted on reclaimed swamp land, and the black potato, which grows late.

Yours, &c., ISAAC STEARNS. Mansfield, Mass., Sept. 1, 1855.

For the New England Farmer.

EXPERIMENTS WITH GUANO.

Mr. P. L. O., a careful cultivator, the last spring, late in April or early in May, applied 25 pounds of Peruvian guano to ten square rods, or at the rate of 240 lbs. to the acre. This was upon a flat, high meadow, moist and fair soil, which had been moved ing; and the pursuit of gold in Australia, has had for a dozen years last past without any application its effect upon this portion of agricultural industry of manures, or any manner of cultivation. the crop was fairly grown, he cut from this lot 253 turn her thoughts to this extensive Continent; where lbs. of good hay. From an adjoining lot of the sheep may be raised, almost to any extent that can same field, of like dimensions and character, (ex- be contemplated. The farmers of the United States cept the guano applied) he cut only 56 lbs.—show-have only to be careful to form their flocks from the ing an increase of more than four-fold, by reason of best breeds, and to keep them pure—no crossing of the application of the guano.

The field contains two acres, and he knows no Country Gentleman.

reason, why a like effect could not have been produced throughout, under like treatment.

Suppose it to have been done, here would have been 8096 lbs. of hay, where there grew but 1792 lbs.—three tons, at least, created by the application of a fertilizing material, that cost not exceedirresistibly impelled to state them, that others may have the benefit of the instruction. Mr. O. has made numerous other experiments, in the cultivation of crops, particularly vegetables, the details of which I hope he will give in due time, that others may profit thereby. There are so many faney notions abroad in these days-when we get hold of reaones, we should cherish them as pearls of great val-Truly yours, J. W. P.

South Danvers, Aug. 16, 1855.

AMERICAN WOOL IN ENGLAND.

Sometime since P. A. Browne, Esq., of Philadelthere has been no frost in the month of August, in phia, obtained from different parts of the U. States samples of wool, which he forwarded to the Society appeared on the morning of Friday, Aug. 31, just of Arts of London. The agent for the Commissionpast. The year 1836, nineteen years ago, the month ers of the permanent Exhibition of objects of Art of August came the nearest to it. In that month and Industry, in a letter to Mr. Browne, acknowlthere were five frosts, viz: Aug. 10, 18, 21, 23 and edging the receipt of them, says: -- "The collection 24; but not severe enough to do any great damage. of samples of American Wools is of the highest value and interest, and I feel extremely obliged for your kind aid in collecting them." In a circular little in low ground. Since 1838, making sixteen addressed to American wool-growers, Mr. Browne

> The deposit of these specimens of fleece in this Museum, (where they can and will be examined sult will, I feel assured, prove creditable to this na-

> The consumption of wool in England is vast and increasing: last year the woolen manufactures of that kingdom amounted to 150,000,000 of dollars: and yet they do not raise one pound of wool fit for making the best broadcloths. The finest wool successfully produced in England, is from the South-Formerly the British manufacturers depended for their supply on Spain—afterwards on Germany, and lastly upon Australia; from which latter place were brought in one year, upwards of 47 millions of pounds.

So soon as they ascertain, by inspecting these specimens, that the United States can raise wool quite as fine if not a little finer than any other country in the world, the demand will be extensive and lasting. So it was with American cotton, so it will bc, I predict, with fine wool; and our wool-growers should prepare themselves steadily, for this great event. The agricultural disturbances, occasioned by the war in Europe, has injured German sheep breed-When in that region, so that Great Britian will naturally species,—and they will garner a golden harvest.—

DRAINING, &c.

Mr. Editor:—One of the most difficult matters the farmer for trial or investigation.

never put forth, than to assert that a piece of naturight for cultivation.

A writer in the New York Tribune, in a word of which will not pay for draining and subsoiling. Dry dwell on them," &c.

draining and subsoiling must always go together, in much. not want it. All soils capable of cultivation may or more open, one thorough subsoiling may answer and thorough subsoiling, say to the depth of eighteen or twenty inches. This operation opens the to ensure generally good crops. pores of the soil, and drains down the surface water that may accumulate by heavy rains, and also the retentive water that lies near the surface, of course leaving the soil in a pliable state for cultivation. Then in case of dry weather, moisture will be drawn up from the subsoil by attraction from the atmosphere. So if the surface soil is well pulverized, this soil may be kept tolerably moist during a dry spell. Of course, on all wet, boggy, marshy swales or soils, thorough draining is necessary and the grass grown upon the surface, draining will be proportionately greater. would be found to pay well.

As to the material used for draining, much will depend on circumstances, situation, &c. &c. I am inclined to think that the tile now manufactured in many places for this purpose, is the cheapest and in carrying forward improvements in agriculture, is best material that can be used, even if stone are to maintain a correct system of teaching and prac-close at hand. Draining by tile is the most sure tice. This fact is very evident to the observing man, and certain process, in the long run, and the cheapwhen he sees so many different theories set forth as est. But then this writer says, "proper draining guides to go by. Many of these theories are absolutely false, when reduced to practice, while others when too wet," &c. Now I confess, for one, that are of such doubtful utility that they will not pay I do not understand this doctrine, although I have given considerable attention to soil cultivation Among other theories which have of late sprung for the past twenty years. As I understand it, up, are those in regard to "draining," which are draining proper means conducting off the surplus maintained by a certain class of "scientific operativation water and moisture gathered from the soil, and discovery the soil of the surplus maintained by a certain class of "scientific operation water and moisture gathered from the soil, and discovery the soil of the surplus maintained by a certain class of "scientific operation" water and moisture gathered from the soil, and discovery the soil of the surplus maintained by a certain class of "scientific operation" water and moisture gathered from the soil, and discovery the scientific operation water and moisture gathered from the soil of the surplus maintained by a certain class of "scientific operation" water and moisture gathered from the soil of the surplus maintained by a certain class of "scientific operation" water and moisture gathered from the soil of the surplus maintained by a certain class of "scientific operation" water and moisture gathered from the soil of the surplus maintained by a certain class of "scientific operation" water and moisture gathered from the soil of the surplus maintained by a certain class of "scientific operation" water and moisture gathered from the soil of the surplus maintained by a certain class of "scientific operation" water and moisture gathered from the soil of the scientific operation water and the scien tors" as correct teaching. They say in substance, charging it into a main ditch or reservoir. Now I as there is a great deal of wet and marshy, boggy cannot see why in dry weather even that the tile land, that requires thorough draining, before it can will not continue to gather the moisture and conbe well cultivated, so there is no soil, however deep duct it off; and in that case, a dry soil drained, init may be, but that it will pay well to "drain," if it stead of becoming more most in dry weather, must will pay to cultivate at all. I hesitate not to say be exhausted of moisture. But I can readily see, that a greater piece of "radicalism" or untruth, was as I have explained, how by deep plowing and subsoiling, and keeping the surface soil mellow and rally dry soil required draining in order to make it stirred often, that a tolerably moist or dry soil may be relieved of surface water in wet weather, and made more moist in dry weather. As to having advice to farmers, among other things says:-"But soils so thoroughly plowed, subsoiled and drained there is no land in the old States worth plowing, that a single blade of corn will not "roll up" in a soils need these meliorations quite as much as wet, had much rather see it, than hear it told of, for my and will as richly reward them. There is no tolerand will as richly reward them. There is no toler-satisfaction. On many soils of a deep loam that ably good land in this State, so dry that it might are highly cultivated, a crop of corn might be carnot, by underdraining and deep plowing, have been made to stand the drought of the past summer, without rolling a single blade of corn. Proper gravel or sandy soil this would be impossible, and all draining moistens land when too dry, as much as it the subsoiling and draining could not prevent corn dries it when too wet. These facts are well known dries it when too wet. These facts are well known blades from rolling. It has been a long observa-to the decently instructed farmer, and we need not tion of mine, and of others, that during a drought, when corn blades rolled during the day and un-Now this writer seems to carry the idea that rolled during the night, the crop did not suffer But when the blades rolled thoroughly order to ensure success. And I admit that in all through the day, and did not unroll at all during wet, heavy, swampy lands, that need thorough the night, then the crop suffered for want of moisdraining, subsoiling will be a valuable addition. But ture. The Indian corn crop will stand a great rure. then that does not prove that all ordinary dry soils drought, when the soil is well cultivated, many need draining, nor anything of the kind, for they do times beyond our calculation. But then this bidding defiance to rain and dry weather, and saywill be improved by deep plowing and subsoiling; ing as good crops can be raised by scientific culture, lands that are naturally moist and retentive, may without these blessings, as with, is going beyond need a subsoiling every year; while those which are limit. And after all the care and attention that the farmer may be tow on his crops by well-directed lafor three or four years. In fact, on many soils that bor, he may have his expectations cut off by drought, are quite retentive of moisture, all the draining storm or flood. Yet good cultivation will generally that will be necessary can be done by deep plowing succeed, when well followed out, and it is only the

> Yours truly, L. Durand. Derby, Ct., 1855.

STARCH, SUGAR, CARBON.—Twelve pounds of starch contain five pounds of earbon. A person of sedentary habits throws off about five ounces of earbon in twenty-four hours—a hard laborer twelve. To supply this he must eat sixteen ounces of starch and sugar. If he take it in the form of wheat bread, before any other improvement can follow. There the form of potatoes, seven and a half pounds, to are many other soils, which on first appearance supply what is lost by breathing alone. A horse, it will require one pound and three-fourths—if in would look as though draining was not necessary, or cow, will give off from four to six pounds of car-But on a closer examination of the soil and subsoil, bon daily. The amount of food, to supply this loss,

FARM WAGES AND LABOR.

Mr. Editor: — An article appeared in the Farmer of August 25th, over the signature of "E. N.," the writer of which seems to think wages for farm he gets good results from both ashes and plaster labor are not high enough yet, compared with other applied separately, but not equally good, if they branches of labor. He does not mention the fact are mixed. Another says, it is less labor to apply that before the mechanic can command \$1,50 or \$2 them together, and the results are quite as good. per diem, he must give some time in learning his Both know that they are right; and the scientific trade, and then invest some capital in a set of meman would be apt to think he knows that the last chanie's tools. Here wages on the farm range from only is right. We incline strongly to the opinion \$12 to \$18 per month, for the term of six or eight that ashes and plaster may be used together with no months, or \$150 to \$175 by the year. Now it is injury to each other, but with perhaps some little not difficult to show that the laborer receives a advantage over their separate use; though it must greater net profit at the end of the year, than his be confessed that there are strong testimonies to the employer, with from two to four thousand dollars contrary coming from practical farmers. invested in his farm. The farmer who clears-from one to three hundred dollars annually, we think doing well, even if he is obliged to expend that sum hill before planting. On another part, the soil on his buildings or fences, that they may not be being the same and similarly treated in other resrunning down.

How is it with the laborer who clears from \$125 to \$150 per year? "Figures don't lie;" therefore by adding in six per cent., he will in a few years to try a third portion by sowing the ashes broadlay by a sum sufficient to purchase a small farm, east, and applying the plaster to the hill. Our exand thus have an interest in the soil he cultivatesa situation to be preferred to any promotion he This writer says, "There is so much exposure in early in the season, but later would quite equal the farming, that young men who commence at the age other. of twenty-one without any property, and with the man life, is a new idea. Any young man who begins for himself at the age of twenty-one, with habits of industry and economy—two words the import of which is not instilled in the minds of our young men, as in the days of Dr. Franklin—can for \$12 per month through the year, clear one hundred dollars; this sum received annually, and prudently managed, will at the age of forty make him as independent as was Stephen Girard, with his millions. Maidstown, Vt., Aug. 28, 1855.

ASHES AND PLASTER.

lose my money and my labor."

state of ground plaster, as generally used in this quire information. Moreover, farming has this discountry, it consists of 28 lbs. of lime to 40 lbs. of advantage, it is a very unsociable employment, and sulphuric acid, and 18 lbs. of water.

insoluble. They contain also carbonates of the sociate. alkalis, potash and soda, and of the alkaline earths, lime and magnesia, together with a little of various case is not much better. If he does chores for his phosphates, a little sulphate of lime (plaster), a lit-board, he is obliged to rise very early, and labor tle soluble silica, and small portions of free alkali.

in the soil; and so far as the free alkali of the the uncomfortable, poorly-ventilated school-house, ashes might tend to dissipate the ammonia of the is so sudden, that his head aches, a feeling of lassi-

soil, the plaster would counteract that tendency, and so the effect of mixing them would be beneficial rather than otherwise."

If we propound the same question to practical farmers, we get contradictory answers. One says

Let the experiment be thoroughly tried. On part of a field apply the ashes and plaster in the pects, let the ashes be applied in the hill at planting, and the plaster be applied after the first hoeing. If the ground were peculiarly warm, it might be well pectation would be that little or no difference would appear, except that where the ashes were sown might hope for, from any manufacturing company. broadcast, the erop might not be quite as forward

We are the farthest possible from wishing that intention of getting a living by working on a farm, the practical farmer should bow to the opinions of and who have an average fortune, usually end a short life as poor as they began it." A most awful workers will maintain a little wholesome watchfulpicture, truly. That the most healthy occupation ness and a great deal of kindly respect for each that God ever designed for man should shorten hu-other, the best interests of agriculture will be advanced.—Nash's Farmer.

For the New England Farmer.

FARMERS' DISADVANTAGES.

Mr. Brown:—I do not wish to intrude upon the columns of your valuable journal; however, as you are always willing to hear from the young and inexperienced, and as you are frequently describing the peculiar advantages of the farmer, and the means which he possesses for enjoyment, I think that a few words upon the disadvantages of a farmer's life would not come amiss. I refer to the ob-A subscriber says:—"I wish to know if there is stacles against which a poor "farm boy" has to conanything in the nature of ashes or plaster, that causes tend, in acquiring an education. The farmer in them to neutralize each other, when used together? comfortable circumstances can give his sons a lib-My neighbor says, he knows it is so, and that I shall eral education. But the boy who is "put out," or who works by the month, is obliged to labor fourteen or sixteen hours per diem, during the summer, REMARKS.—Plaster is sulphate of lime. In the and he can have but little time or disposition to acwhen the boy has any leisure, he very naturally de-Ashes are made up largely of silicates, mostly votes it to finding company with which he can as-

And when winter, the time for study, comes, the besides until school-time, and frequently later, and In answer to the above question, science would getting late to school is a very discouraging thing say: "No; the two cannot neutralize each other; for an ambitious boy, and the transition from vigno decomposition will be effected by mingling them orous exercise in the keen winter atmosphere to tude creeps over him, and he is unable to study; therefore, he is called inattentive, a dull scholar, gets discouraged, and after passing through the thus from year to year, the boy becomes a man used to hard labor, but possessing little information, and as is usually the case, lives and dies a common la-

tunities which agriculture affords for the acquire-portation over the road twice or more each day, ment of an education are rather of a negative order.

But to spend twenty minutes or an hour, ment of an education are rather of a negative order.

South Hadley, July, 1855.

than those the mechanic or merchant's boy must of which were either of them too sharp for Yankee and go on your way-you will succeed.

MANURE.

Regulation of Estates," asserts that-

One ox or cow yields ten wagon loads, (for two horses,) of manure;

One young ox or cow, five loads;

One horse, fed or stabled, fifteen loads;

One horse, turned out to grass, seven and a half loads;

One sheep, one load.

manure obtained from the horned beasts, may be ing over a distance of twenty miles. But during derived from the pigs, poultry and farm-yard, pro- the spring and early part of summer we invariably vided that proper care be taken to keep the returned home with a painful sensation in and former well provided with straw and other litter about the eyes, though feeling nothing of it on takcapable of being resolved into manure. Twenty of ing the cars at Boston. This pain at length became these loads he supposes amply sufficient for an acre permanent, sometimes violent, and so great as to -that is, of the cattle; twenty-five loads of the prevent us from reading, and generally from wrimixed manure obtained from the farm-yard, and ting, though the sight was not impaired. Upon fifteen loads from the sheep-cote or yard.

by sixty-five cows, turned out to pasture all day, and inquired if we were not in the habit of reading and brought up at night to the cow-house, during in the cars! Under an interdiction from reading summer, sufficient to manure one hundred acres.

produce one hundred quintals of manure; and an favorable circumstances. ox, put up to fatten, eighty quintals.

READING IN THE CARS.

Railroads have wonderfully changed the business three winter months, he goes to work, and before and ways of the world. Cities were once places of winter commences again, he has forgot nearly all residence, and merchants thought they must domithat he learned the previous season. Continuing ciliate within a moment's call of their ships and banks and counting-rooms, or trade would languish and die. But steam and iron roads have proved that ships will sail and banks discount, if the mer-Now, I will admit, that the pursuit of agriculture chant sleeps in the country, away from the din of is the most honorable and useful employment in rattling wheels, and the mephitic vapors of gorged which a person can engage, and every nation which gutters and sewers. But it is not the merchant has encouraged the cultivation of the soil, and the employment of independent labor, has increased in alone who has forsaken the city; mechanics, artists employment of independent labor, has increased in wealth and strength, while the use of ignorant and lawyers, clergymen and editors, not only find the slave labor is most permicious in its effects upon the country congenial, but less expensive than the city, prosperity of a nation. Yet I think that the oppor- as a place of residence, including the cost of trans-

But to spend twenty minutes or an hour, morning and evening, in the cars, and to take a choice of Remarks.—There are difficulties to be overcome conversing amid the screams of the steam whistle, by the "farmer boy," in the pursuit of knowledge, and the clattering of the wheels, or to be left alone we confess, but that they are of a sterner character to one's thoughts, presented a dilemma, the horns contend with, is not clear. To a determined mind, impatience to hang upon. So the merchant pulled the common difficulties of life operate only as a out his "price current," and studied that, the lawkind of spur, while the timid and doubting yield to yer his "brief," and clinched the points of that, the them, and thus lose the prize to which they aspired, clergyman his "suggestions for every day in the Upward, and Onward, must be the words for young year," and the editor his "exchanges," and thus men. Make circumstances yield to your strong made all the time count as so much deroted to busiwill, and bend or break the hindrances which ob- ness. Now, the newsboy comes with the morning struct your path. What man has done, you can and evening papers, and follows on with "Harper," do. Never doubt. Keep a trusting, resolute heart "Putnam," and "The Lamplighter," as regularly as the trips of the cars themselves. We are determined not to be left alone—it is pleasanter to read than to think—so we hurry on, leaving the "inward NICOLAI, in his work entitled "Principles for the digestion" for a "more convenient season," and the mind to become lazy, laggish and unprofitable.

Reading in the cars, however, will have another, and most painful influence upon the physical system. We had several times been cautioned against reading in the cars, but a bag full of "exchanges" has proved too strong a temptation to resist, and for several years it has been our practice to read from He also observes that one-half the quantity of two or three to twenty or thirty papers while passconsultation with an oculist, he stated that the op-KARLE estimates the quantity of manure furnished tie nerve had become weakened by overtasking it, and writing, the eyes have rapidly improved, and Pealter asserts that one cow, stable-fed, will we can now read half an hour at a sitting, under

The most unpleasant and painful sensations of our

experience have been after retiring at night. The vorite jest of his had been to erow like a cock; and whole eye would then seem to be oscillating, and as he lay on the ground he thought of the only way accompanied by severe pain at each motion.

Since being thus deprived of the use of the eyes, and saved him.

several persons have stated to us a similar experience in themselves, and arising from the same cause. We are also informed that an expressman, who had for many years been passing back and forth between Boston and one of the neighboring towns, and who was in the constant habit of reading in the cars, has become totally blind, and the cause is imputed to that fact. In reading, the eye not only takes in the word, but each letter of the word, and their formation upon the retina of the eye must be exceedingly complicated and difficult under such conflicting motions as are caused by a rapidlymoving train of ears. Perhaps the communication of these facts may save a good pair of eyes.

DAYS WITHOUT NIGHTS.

the year when the days are longest, than the absence of the night. We arrived at Stockholm from Gottenburg, 400 miles distant, in the morning, and in the afternoon went to see some friendshad not taken note of time—and returned about qualities as a market fruit. midnight; it was as light as it is here half an hour before sundown. You could see distinctly. But all was quiet in the street. It seemed as if the inhabitants were gone away, or were dead. No signs of life—stores closed.

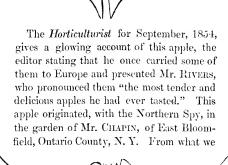
The sun goes down at Stockholm a little before ten o'clock. There is great illumination all night, as the sun passes round the earth towards the north steamboat goes up from Stockholm for the purpose of earrying those who are curious to witness the face of it, and in five minutes it begins to rise.

7 o'clock, P. M., and stay there until the sum is Gentleman, or any of his family, give any satisfacwell up in the morning, and the people get into the tory explanation of it.—Country Gentleman. habit of rising late, too.

comrades by his jests and antics, and is generally a great favorite. On one occasion in the Caucasus, when the troops were driven back by the Circassians, the purposes of the institution, comprising about the buffoon was wounded and left behind. A fa-

to save himself, and crowed. This had such an effect on his comrades that they rallied, charged again

OUTLINE OF THE MELON APPLE.



ean learn of it, we judge that it is too tender to bear long carriage or much handling, and the tree There is nothing that strikes a stranger more scarcely vigorous enough in its growth to be reforcibly when he visits Sweden at the season of commended for profitable culture, but is worthy a place in every orehard or garden, for family use. The editor of the Prairie Farmer thinks it excels the Northern Spy, in taste, but says nothing of its

INQUIRY—WHAT DO THEY DO WITH THE DIRT? —"E. E." contributes the following:—A farmer called the other day. My little niece wanted to show him the kittens, and he told her he had a plenty at home, and went on to tell an incident relating to the necessity of keeping them, which was pole, the refraction of its rays is such that you may briefly this: A ground squirrel, sciurus striatus, see to read at midnight. Dr. Baird read a letter in or "chipmuck," as he called it, had been making the forest near Stockholm at midnight, without ar-depredations upon his corn, when one day he distificial light. There is a mountain at the Bothmia, covered, a few feet from his corn-barn, a squirrel's where, on the 21st of June the sun does not go hole, which he dug out about four feet deep, and down at all. Travellers go there to see it. A came to corn, which he threw out to the fowls what he judged to be half a bushel, and then gathered up a half-bushel more, heaped up. The mystery was, phenomenon. It occurs only one night. The sun how Sir Hackee could make an excavation to congoes down to the horizon, you can see the whole tain a bushel or corn, and leave no traces of the dirt. Some suggest that they eat it; others again Birds and animals take their accustomed rest at that they carry it to a great distance, and scatter it the usual hours. The liens take to the trees about here and there and everywhere. Can the Country

AGRICULTURAL COLLEGE IN MICHIGAN.—The A MARTIAL BUFFOON.—There is often a buffoon land upon which the college is to be erected has attached to each Russian company, who amuses his been purchased—lying about three miles from the

U. S. AGRICULTURAL FAIR.

Everything is going on to render this Exhibition accomplish. the grandest and most attractive that has ever taken place in this country. It will come after all the HOW TO PREVENT AND CURE KICKother State and County Fairs have taken place, so that the stock, implements, &c., that have been exhibited at these, may be brought here. The ted:" Journal says, in regard to this show, the ground to be occupied in October next, for the grand exhibi- during the first month after the cow has had her tion by the United States Agricultural Society in first calf. If, as is often the case with well-fed heifthis city, is on the city lands at the South End, ers, the udder is a little feverish at the time, it oftbordering on Harrison Avenue on the north, poor creature to stand still while the necessary milk-Brookline Street on the east, and on the south and ing is being done. Following the instinct of nature, west by the water, covering an area of some fifty she kicks; and finding she is thus for the moment acres. About one hundred horse-carts and between freed from pain, continues to do it till the anger four and five hundred laborers are actively em- of the milker is aroused, and then a bad matter is ployed in levelling this extensive lot, and a host of made much worse. for fencing, seats, &c.

The Ohio Farmer says:-

England."

sensible writer in the Country Gentleman says:—

sued, the greater is the benefit to the human race. ward. Here is a field for the philanthropist. Establish agriculture upon a good basis—the basis of intelligence—and you will do much to close what are now flood-gates of misery to society. Our city poor, our merchant clerks, our emigrant poor, and our they undertook to raise their own, and with very heriting his estate. Agriculture exerts an influence crat.

to equalize the distribution of wealth, which no law, nor theory, nor any other pursuit, has or ever can

ING COWS.

An "Old Farmer" writes thus to "Life Illustra-

In most cases the habit of kicking is contracted en becomes so sore that it is impossible for the

It is better in the first place to tie the heifer by carpenters are engaged in preparing the wood wook the head, then set your left shoulder gently but firmly against her, just back of her right shoulder, grasp firmly her right fore leg below the knee, turning her foot up backward till it touches the leg, then "Well, we are to have another National Stock slip on over the knee a strap, or hoop, or cord that Fair. We are glad of it. Boston has taken hold will confine it fast in that position. While standof it in earnest. Mr. Wilder writes us:—'It may be well for you to know that the subscription of \$20- as to hurt you. Now take a convenient sized eloth, 000 I have raised in about six hours, no one person and wet and wash the udder thoroughly with tepid putting down less than \$500. The occasion will be or cold water, after which milk her as carefully and one of great interest, and no pains will be spared to tenderly as possible, using at the same time such make it worthy of the city in which it is held, and gentle and soothing language as is calculated to of the nation which the Society represents.' That's show her that you do not wish to hurt her—but the talk, and the performance will be equal to the let her struggles be ever so violent or provoking, promise. Col. Wilder never does anything by mind you keep control of your own temper. An halves, but with the munificence of an emperor. outbreak on your part will as certainly be produc-Now let the Ohians, Kentuckians, Illinoans and Intive of a bad effect upon the cow, as an echo will diamians, prepare their best eattle for this National answer your own voice, or as your image will be re-Show, and let us have a grand Jubilee. All the flected in a mirror. Kindness, combined with the State Fairs will be over, and the gorgeous Indian perfect control you have over her in this situation, summer weather will be just the time to visit New I consider much the best way of breaking them; and after a few times she will lift her foot to be tied as readily as a horse will be shod. Continue to AGRICULTURE THE PROPER CALLING .- A most milk her in this way until the soreness is gone, and she will find it a gratification to be milked, will oft-All other pursuits are proper in their places, but en meet you as she sees you coming with the pail, when carried to too great an extent, produce poverty, and you will ever after find it easier to get along distress, and misery. The more agriculture is pur-with her should her teats by chance get sore after-

country poor, all call for relief; and here alone can gratifying success. An old farmer, who has recentit be obtained,—in intelligent husbandry. Agricul-ly travelled extensively in Sullivan and Grafton ture is the great moving power of human existence, counties, assures us that he never saw such crops and as the human family increases, we must cling of wheat in New Hampshire. We hear similar rethe closer to our mother earth for support. Thus ports from other quarters, and have seen some the mandate "to earn our bread by the sweat of beautiful fields ourselves. It may be thought, perour brow," becomes from our condition a matter of haps, that all the wheat New Hampshire can raise necessity; but in it we see the goodness and wisdom will not affect the market price of flour; but when of our great law-giver, for "necessity is the mother it is considered that for five years past it has proof contrivance," we thus increase in intelligence, and duced next to none, while this year it will supply intelligence promotes morality and happiness. In half its population, the effect must be felt; and if the dim but yet brightening future, we behold, in the other New England States have done as well, instead of cities overcrowded with human life and the aggregate influence upon prices must be quite ragged pauperism stalking abroad, the whole face of perceptible. Flour must come down, as soon as nature one great Eden,—the sons of Adam all in-the new erop is fully available.—. Manchester Demo-

CHEMISTRY---No. 2.

TRANSFORMATION.

As every species of growth and decay consists in fifty bushels of it were sold for \$1.50 a bushel. the passage of water from one state to another, it may not be amiss to glance at some of these changes, as they present themselves to the student of nature. "All organized substances are composed mainly of but four elements, viz., earbon, hydrogen, oxygen and nitrogen."-Youmans. These, acted upon by different agents, and under different circumstances, go to make up, in the main, the sum total of the animal and vegetable world.

But let us look at vegetable growth. Every perfeet seed possesses in itself the rudiments of a new plant. "In some varieties it is so complete that the microscope reveals its structure, root, stem and

leaves."—Youmans.

Encased in its coating, it awaits the action of external agents, viz., warmth, air and moisture. When exposed to these, it awakes to life, absorbs water and oxygen, swells in bulk, chemical action begins, carbonic acid is given off, its temperature rises, and a new substance, (a kind of ferment,) is formed, which possesses the power of changing starch into sugar or gum, thus supplying the necessities of the young plant. As soon as the germ appears, it first takes root, and then the blade appears, and it begins to provide for itself. Food in a liquid form is taken up by the roots, and is, by capillary attraction, carried to the extreme of every branch and leaf, there undergoing the change necessary to fit it for food, for the growing plant, by being mixed water is abundant, and closing when it is small. "They vary in size, on different kinds; upon the apple leaf it is said there are 24,000 to the square inch."—Gray. Oxygen is returned to the air by plants, while they retain the carbon, thus purifying the air; for men and animals take oxygen from the air, and return carbonic acid, while plants take carbonic acid and return oxygen; thus acting in unison, keeping the air in nearly the same state. "An adult man exhales about 140 gallons of this gas per

day."—Davy.

The wind, too, plays, its part in this grand drama of nature, by keeping the air in never-ceasing motion. But the most wonderful part of all this complicated machinery, is the sun. He is the engine, so to speak, that moves the whole. Nothing could come to maturity, without the light and heat of the king of day. How truly wonderful, that a few gases mingled with a very small proportion of mineral elements, should compose all the varied form of life, vegetable and animal, that we see in our ever-changing world. But so it is, and these changes are, to my mind at least, a very appropriate theme of study.

S. TENNEY.

West Poland, Me., Aug., 1855.

Great Yield of Rye.—The Salem Observer has and have no doubt but there too it will do its work. a specimen of rye raised this season upon the town farm of South Danvers, on a piece of land of ordi-

nary gravelly soil, measuring seven aeres and one hundred and twenty rods, which yielded two hundred and twenty-nine and a half bushels. It weighed fifty-six pounds to the bushel. One hundred and

For the New England Farmer.

LIME AND CANKER WORMS.

Mr. Editor:—As no answer has appeared in your paper, to the inquiry of "Verdant Farmer," in relation to a remedy for the grubs, which are destroving whole fields of eorn, &c., in his vicinity, I take the liberty of requesting you to insert, for the benefit of your numerous readers, the following article taken from the Evening Transcript, giving an account of a remedy which has been very successful in destroying the canker worm, and which will be found equally efficacious for the destruction of grubs and worms of all kinds.

Most respectfully yours, &c. Charlestown, Aug. 13th, 1855.

MURIATE OF LIME AND CANKER WORMS.—Mr. Editor:—The ravages of the earker worm for the last few years have been to me a subject of deep interest and inquiry, and I have devised many schemes for the destruction of this rapidly increasing pest. While a resident of Cambridge, the experiments above alluded to were tried; but my removal to Lexington put a stop for the time being to all further investigations, and I cannot judge how far either or any of them would have succeeded. The with carbonic acid absorbed from the air. And let or that part of it in which I resided, and I really canker worms had not as then reached Lexington, the eremembered that the LEAF is the seat of this important change. The leaf is an organ of inhalation, digestion and respiration. Hales found the last of them; but judge my horror, Mr. Editor, when visiting my next neighbor's carden, to find his halation, digestion and respiration. Hales found that a sunflower, weighing three pounds, exhaled thirty agrees of water in a day. The pores are sitthat a sunflower, weigning three pounds, that a spine trees, which by the way reach thirty ounces of water in a day. The pores are sitting apple trees, which by the way reach that spring from a nursery in Cambridge, covered with my old enemies. They were even now going like in their actions, opening when the supply of into their winter quarters, preparatory to a vigorous campaign in the coming spring.

It so happened that during that season I had been making some experiments with muriate of lime, which my most esteemed friend. Mr. James Gould, the manufacturer, had recommended to my notice as a fertilizer. As a manure, the muriate exceeded my most sanguine expectations; and the thought struck me while thus using it, why will it not answer the double purpose of fertilizing the ground and destroying the canker worms? By my direction therefore, the ground, to the extent of the branches under the trees in question, was well covered with this muriate of lime; late in the fall it was dug thoroughly in. The next season, not a canker worm was to be found. The experiment had fully succeeded. Now is the time, Mr. Editor, for your readers to try the thing for themselves. I do not ask them to put faith in my experiment alone, for I am happy to add, that the same thing has been since tried, both in England and in this country, and in every ease with perfect success.

The canker worms have now mostly gone into the ground, and *now*, therefore, is the time to destroy them. The experiment is well worth trying, for as a fertilizer alone, the muriate will pay three times its cost. I shall give my plum trees the same dose,

Yours truly, WILLIAM PLUMER.

Lexington, June 21, 1855.

A NEW BUILDING MATERIAL.

the use of stone, brick or wood.

ance than when laid upon plastering.

The press in which this material is to be manu-

the expense of handling and carting.

stitute for stone and brick.

further determined by unerring experiments; which if successful, will render it one of the greatest inventions of the age.

for making it; which we understand they will soon be in readiness to send to any part of the United States. They are also agents for the sale of patent should reflect upon this subject. It is one of the

Vermont and Massachusetts.

We can hardly conceive of a better boon to mankind, in a temporal view, then the discovery of a erime will have few devotees.

Lebanon, N. H., 1855.

manufactured material.

IMPROVEMENTS.

The investment of capital in permanent improve-We have just been shown a new building materi- ments, is much more common in England than in al, which promises, from its exceeding cheapness, this country. In the Mark-Lane Express of April beauty and apparent durability, to supplant entirely 10th, there is a report of a speech by Mr. Mechi This article is the invention of Mr. Ambrose of Tiptree Hall, in which that gentleman is repre-FOSTER, of Portland, Wis., and by him patented, sented to have said, that he had, on a farm of one It may properly be termed artificial sand-stone, be-hundred and seventy acres, nearly or quite two ing composed of eleven parts common sand to one miles of iron pipe, for the distribution of liquid part dry slaked lime, which being thoroughly min-gled together, without the use of water, and sub-jected to a pressure of a hundred tons to the square foot (a pressure readily obtained by machinery) produces a beautiful stone, with polished surfaces, per acre. This investment he considers a profitawhich exposure to the atmosphere hardens, and ble one-yielding him larger returns than the same soon it becomes equal to granite for strength and amount of capital invested in public funds. He solidity, only becoming harder and more stone-like considers the application of liquid manure to lands by the action of the weather. These blocks may be of all description, much more economical than that made of any desired size and shape, from that of of all description, much more economical than that the common brick to a foot square, or may be of the solid excrements of animals. By this process formed triangular for corners of buildings, or curved of manurial irrigation, the excreta of the anifor chimneys and other purposes. Each block is pressed with a space for dead air, thereby rendering all walls made by them, both dry and warm. No bithing or plastering is needed, the walls being the soil saturated with it to the depth required; perfectly smooth on either side, upon which paint whereas, when the solid matters were applied, the or paper may be laid, and present a better appear-cost of transportation, spreading, etc., not only proved a matter of considerable expense, but there factured, will be so small and light that it may was also much time lost, oftentimes, in waiting for readily be taken to any spot where it is desired to rain to wash the fertilizing particles into the soil, erect a building-bringing the sand from the near-land then when it came, the quantity was not suffiest bank, and the lime from the nearest kiln, and cient to carry them to the required depth. The making any quantity of blocks desired, thus saving actual cost of applying the urine and other liquid This article has been subjected to the severest matters made in his establishments—an equal distests and examinations by the most thorough, sei-tribution over all his fields being secured-did not entific and practical men, chemists and architects of exceed three cents per ton! His estimate of the New York city, and elsewhere, and pronounced by actual augmentation of produce, in consequence of them to be a perfectly safe and most valuable sub-Of the cheapness of the material, none can than double the outlay—or about one hundred per doubt when they remember how abundant sand is cent. Now why is it that our farmers who are by everywhere, and lime almost equally so. Of its du- no means deficient in enterprise in other matters, do rability and capability of resisting all external influ- not imitate their English friends in this great matences, there seems no doubt; this, however, will be ter? Why do they, in view of such facts and examples as these set before them in the speech of Mr. Mechi, still blindly persist in suffering the an-Any information in regard to this article can be mual waste of the most valuable portions of their had from Messrs, J. H. Buck & Co., of Lebanon, manure, and this, too, while they are actually stun-N. H., who are the manufacturers of the presses ning us with their dolorous and eeaseless complaints against short crops and exhausted soils. Farmers rights for the States of Maine, New Hampshire, very first importance, and we trust will no longer be treated with neglect.

A FACT IN MANURING.—A person carrying some very cheap and inexhaustible material for construct-orange trees from China to the Prince of Wales ising their buildings, their houses, their homes; the land, when they had many hundred fruit on them. possession of which gives to life its chiefest pleasure expected a good crop the next year, but was utterand sweetest enjoyment. A home for all—that is by disappointed: they produced but few. A Chia home in its most thrilling acceptation, and vice and nese, settled in the island, told him if he would have his trees bear, he must treat them as they were accustomed to in China; and he described the following process for providing manure—"A cistern, so REMARKS.—Please send us a specimen of the lined and covered as to be air-tight, is half-filled with animal matter, and to prevent bursting from

the generation of air, a valve is fixed, which gives taste. Potash is derived from the ashes of land way with some difficulty, and lets no more gas es-vegetables; soda from sea plants, and ammonia cape than is necessary: the longer the manure is from animal substances. kept the better, till four years, when it is in perfec- Now, by these changes and combinations, all tion; it is taken out in the consistence nearly of plants and vegetables, as well as animals, are formed. jelly, and a small portion buried at the root of Thus, a stick of green wood is formed by the comevery orange tree—the result being an uncommon-ly great yield." A person hearing of the above fact, and wishing to abridge the term of the preparation, thought that boiling animals to a jelly might have a is changed—back into the two gases, and thrown off similar if not so strong an effect. Accordingly, he into the atmosphere. You have the coal, or carbon boiled several puppies, and applied the jelly to the left. This, though apparently dry, still contains roots of a sterile fig-tree; the benefit was very great water in the shape of oxygen and hydrogen disunit-—the tree from that time for several years bearing ed, and in a solid dry form. Burn the carbon, or in profusion. Hints of this kind are well worth coal, and the balance of the oxygen and hydrogen preserving, for though an English farmer may nei- is driven off, and the remains are earth. Analyse ther have the apparatus of the Chinese, nor puppies these ashes, and we shall find all of the fifteen eleenough to become an object of attention, yet the ments, except the gasses, which have escaped into reduction of manure to a mucilaginous state ought the atmosphere. To ascertain the amount of gas perhaps to be carried further than it is.

CHEMICAL COMBINATIONS.

to tell the combination that forms the different uncombined, existing in a solid state. So in lime, vegetable creations. Every plant and vegetable is which, united with carbonic acid, forms limestone. formed of the same substances, only united in differ- A bushel of limestone weighs 142 lbs.; burn it, and ent proportions. ffteen elements. we have often given; but as a valued subscriber lbs. of water to it, and it will crumble into a dry has asked us, "What is the best way for a farmer powder, weighing 93 lbs., showing that the change of limited means to acquire a knowledge of Agri- of 20 lbs of water into solid, dry substances, has cultural chemistry?" we will repeat what we have been effected with a loss of only 2 lbs. often said, by recurring to the first principles of analyzing the ashes of wood, we find what caemistry; and if our "subscriber," of Sullivan, earth is used in forming the plant, or tree. The will learn this lesson fully, he will be prepared to apple tree shows a large proportion of alkali and be his own teacher afterward, by experimental lime; the peach, iron; potatoes, potato, wheat, training.

The fifteen simple elements are oxygen, hydro-of potash.

When the farmer has got thus far, perfectly, he when the farmer has got thus far, perfectly, he gen, nitrogen, chlorine, carbon, potash, soda, lime, alumina, magesia, iron, manganese, silex, sulphur, knows what composes his crops, and that his apple and phosphorus.

Some of these names may be better understood leached ashes; wheat, bone meal; and clover, lime, by calling them differently. Thus, to call chlorine, When he has completely learned this lesson, we muriatic acid; carbon, coal, or the part of a thing will, perhaps, give him another.—Ohio Farmer. that will burn; alumina, clay; and silex, sand-they will, perhaps, be better understood. The other substances are probably understood by their chemi-

ric acid and zinc combined form white vitriol; sul-corn. phuric acid and lime combined form "plaster of called carbonate of lime; potash and aquafortis in a short time he will obey the command in any combined form saltpetre; soda and chlorine combined form common salt. Potash, soda and ammonia

After sufficient practice in the pen, I let him out hre called alkalis, as they possess a sharp, burning into a large yard, and then drive him with equal

in a stick of wood, weigh the stick, then char it in a pit, and weigh again; then reduce it to ashes, and weigh then. In the first operation, you get the weight of the gases united in the sap, which are Every farmer should know enough of chemistry, thrown off; in the second, the weight of the gases All, too, are formed of only it weighs only 75 lbs., showing that 97 lbs. of car-The names of these elements bonic acid and water have been thrown off; add 20

trees need ashes; the peach, iron scales; potatoes,

BREAKING STEERS.

Cal names.

Now, by different combinations of these substances, are all other substances formed. Thus, oxygen and nitrogen form the air we breathe; nitrogen and with a switch three or four feet long, and with your substances formed. hydrogen combined form ammonia, or hartshorn; pockets filled, not "with rocks," but with ears of culorine and ammonia combined form sal ammoniac; corn, apples, carrots, &c. Tame the steer by feedoxygen and sulphur form sulphuric acid; sulphuric ing him, and convince him that you mean no harm. acid and soda form glauber salts; sulphuric acid Having done this, I introduce my business to him, and magnesia combined form epsom salts; sulphuric by getting him into a corner with as much gentlerie acid and alumina, or clay, form alum; sulphurie ness as possible. Here stroke him and pet him in acid and iron combined form green vitriol; sulphu- various ways, feeding him with a nubbin or two of

Of course he must learn to haw,—so I strike him Paris;" oxygen and phosphorus combined form phosphoric acid; phosphoric acid and lime combinitation that with my back towards him, twist his tail, (a cel form bones, or phosphate of lime; oxygen and little twisting is better than more;) I conduct him carbon combined form carbonic acid, (so fatal in again to his corner and order him to who-which rooms where burning coals are kept;) carbonic from the force of circumstances he is compelled to acid and lime united form chalk, and limestone, do. Thus I teach him to stand as well as haw, and

success. Here he becomes well accustomed to the energy, intelligence and docility, large lungs and Who, Haw, Gee, processes. But if he does not belly, with vigorous digestion, thus furnishing the prove sufficiently tractable I return him again to the means of engendering the greatest amount of physmall yard for further discipline. The other steer I sical force, from a given quantity of feed, and a long

serve in the same way.

Preparatory to yoking, I drive them both into the pen and exercise them together, making one stand assert, without fear of contradiction, that the course while the other comes up as if coming under the heretofore generally pursued in breeding, has well yoke, the whip being held out to represent the yoke. nigh obliterated many of these leading characteristhen taking the bows out of the yoke. I lay it on ties of the genuine horses. their necks, taking care not to frighten them in the We occasionally find an animal, in nearly every operation, then put in the bows, and I have a yoke neighborhood, possessing these qualities in the largof oxen! But previous to voking, drive them side est degree, and although of advanced age, they are by side in the large yard. While driving in the always ready for their rations, and are always relied

has been injudiciously handled for \$10.

Be very careful not to overload them, and never road. drive them till they get out of breath. Many cat-Indeed, very few know what a good, well-broke, and well-fed, and well-tended pair of oxen can do. Never whip, and never talk loud. The superiority of can possibly have, is that he possesses great height.

Grower.

A SHORT CHAPTER ON HORSES.

that farmers are paying increased attention to the 15 or 20,) and being invariably coupled with other improvement of their horse stock. The stimulus serious imperfections, it is of the utmost importance, of "Agricultural reading," and of minds of many that we steer clear of all animals for breeding purpersons, in regard to what is the proper stock for poses, both male and female, that show too much farmers to breed.

reproduction, by a judicious selection of breeding be selected of the opposite extreme, and thus will animals; and crossing with an intelligent underthe defect "breed off" in the progeny.

The proper horse for the farmer, (and a horse and in anatomical and physiological peculiarities suitable for the farmer's use, is just the horse for He is a poor machinist indeed, who does not become all purposes,) is one of enduring constitution, round familiar with the requirements of an engine, an in the body, thick set, quick but not fiery, good economical expenditure of power in a given direction, and a poorer still, who does not familiarize deep in the quarter, strong in the loins, capacious the strong in the loins, capacious and a poorer still, who does not familiarize deep in the quarter, strong in the loins, capacious the strong in the loins, capacious and a poorer still, who does not familiarize deep in the quarter, strong in the loins, capacious and a poorer still, who does not familiar in the loins are strong in the loins. himself with the tone, and elastic properties of in the chest, low upon the legs, and having a good metals, that he may select with reference to the hoof. Such a horse will be hardy, strong, and a dissimilar requirements of the several parts, and the good traveller, and always up to the collar and the combined power to be expected by the whole. The feed bor. Let us ask the farmers, what proportion machiaist aims to produce the greatest possible power in the smallest space, and with the least friction and breeders are of this description.

outline, pleasing to the eye, a fine quality of muscle, bone, and tendon, a large development of muscles, these combinations giving the greatest power in the smallest space. Speed and elasticity of movement,

life, with combined health and energy.

These combinations are found but rarely, and we

large yard either single or double, use a whip 8 or upon with confidence, for the plow or the road. 10 feet long, and when driving both, put on a lash Of these noble specimens, of an almost by-gone two feet long.

CAUTIONS.—Keep cool! use caution for yourself Charley's" end of the double tree has never been a large to be a caution for yourself charley's and of the double tree has never been a caution for yourself charley's and of the double tree has never been a caution for yourself charley's and of the double tree has never been a caution for yourself charley's and of the double tree has never been a caution for yourself charley's and of the double tree has never been a caution for yourself charley's and you have the large your beautiful to the caution of the double tree has never been a caution for yourself charles and you have the property of the caution of the double tree has never been accounted to the double tree has never been a caution of the double tree has never been a caution of the double tree has never been accounted to the double tree has never been accounted to the double tree has never bee and for your cattle. If they kick you, look out known to slacken, nor he to limp, complain of the next time, but don't return the compliment, for you colic, or refuse a feed; while many a scrub has sickare not to consider yourself on equal terms with ened at his side, or been turned out to grass with them. A little patting and rubbing is better. If spring knees, spavin, ringbone, sweney, windgalls, you have not Christianity enough to return good for and cholic, "Old Charley" has kept the even tenor evil, don't undertake to break steers. I had rather of his way, has seen generations of badly bred nags break a pair of wild steers for \$5 than a pair that come and go, from want of capacity to digest a hearty feed, or to codure the labor of the field and

Farmers should select these rare specimens, and tle are broken in spirit and constitution while young, study their formation and peculiarities with care,

this mode in economy of time, in ease of execution, If the horse had been made like the "Crane," for and in final results, will be apparent enough to any wading in search of food, or could be made useful one who trys it.—Charles H. Walker, in Hool- to man for hunting ducks, or as a fruit ladder, then it might be well to breed a few for these objects. But, masmuch as, for all the uses to which we put the animal, long legs are a serious disadvantage, We are very glad to be able to record the fact, (who ever saw a "leggy" horse fit for the road at "daylight," Or, if under the apparent necessity of The wise breeder keeps control over the laws of breeding from a mare with this form, a sire should

The horse that we have described as a "moder, will always be found, if his genealogy be traced greater importance, should be as carefully studied, and practised upon by the farmer. There are several prominent ends which should be sought in the rearing of horses; his reputation will be on a par with that of the well-informed machinist. An antime, pleasing to the eye, a fine quality of muscle, with ease a load that staggers a scrub with flabby with ease a load that staggers a scrub with flabby and the moves with ease a load that staggers a scrub with flabby and the moves are the second to be something to the eye, a fine quality of muscle.

For the New England Farmer.

LETTER FROM THE HOMESTEAD.

BY H. F. FRENCH.

What kind of a Farm to choose, Hill or Plain-Use of Stone for in Tillage, but convenient for Drains-Consolation for those who have hard Farms.

the Homestead shows what perhaps a thoughtful lent accommodations for vermin of all descriptions. man might know at any time, that there are some I remember that either Downing, or one of his things that may be better learned in an old place correspondents in the Horticulturist, said, that than on a new one. At Exeter I have wrought, in his neighborhood, people would as much fear mainly on new land, till I brought my farm, upon that their fruit trees would be eaten by giraffes, as which I offered to sell all the hay in 1848 for twelve by mice! But while the former animal is very dollars, to yield a crop which I sold this year, stand- rare in this region, it is quite common to find our ing, for \$155, besides eight tons which was put in best apple trees, even of six inches diameter, entiremy barn. Most of it grew upon land where I had by girdled by mice, if the trees stand near an old dug the stumps, cut the bushes, and sowed the wall. In an orchard on the Homestead here, we grass seed in autumn, without raising any hoed crop have replanted the row next the wall many times, or grain.

fifty acres. The buildings are all new there, the out from the wall under the snow, and avoided trees all young, and everything in order. But here, starvation by gnawing the bark from a tree. I return to a different scene. Fifty-five years ago this house was built, and the barn and the sheds. trees round their fields near the wall, but although All along during the century, from time to time, the trees grow better near a granite wall, than elsemy father, who was one of the progressive farmers where, for various reasons, yet the ravages of the of his day, though a lawyer of large practice, was mice, the difficulty of properly cultivating the trees improving his farm. My first impressions of farm- and of collecting the fruit, settle the question in faing, are made up of laying heavy stone walls and vor of regular orchards, rather than scattering trees. blasting rocks. This was the great feature of the farm operations when I was a boy. To get a few by where land is valuable, the balance of argument acres clear of stones, and well walled in, was the is not greatly, if at all, in favor of stone fences for those days, and you have seen the smooth fields, and so convenient, so reliable, as a good stone wall. If the big wall, seven feet high, round the barn-yard, it falls down occasionally by the action of the frost, built of stones many of them of two tons weight you are pretty sure to find the materials close at about Sebastopol. Then the fifty-acre cow-pasture, stone enough to complete his walls round his pasand several larger pastures for the young cattle, tures, and a few spare ones for drains and the like, were all walled in, and everything made secure.

thought of it a good deal, as every man should, es-order things. While I have actually been obliged pecially if about to purchase a farm. "Commenta- to send to a neighbor's farm in Exeter to beg stones tors differ" upon this, as most other subjects. One enough to load a field roller, I should judge from man says he would not take the gift of a rocky the walls and fragments about the old place here, farm. He would have "easy land," while another that the surface might be covered a foot thick if the does not exactly see how one can get along at all, stones were carefully spread again. And by the without stones in abundance, for walls and drains way, you remember how one Sunday this very and divers other uses. Having had for some years summer, one of my Devon cows, educated in my a farm of each kind under my charge, perhaps a smooth pasture at Exeter, was caught between two statement of the pros and cons may be useful to stones here in the pasture, ignorant as the poor some of our readers.

est and most durable of all fences, and where stones profound deference with which I bowed to your suare constantly working up in your fields and must perior dignity, as being principal editor of the Farbe removed, no doubt this is the best use to make mer, and Lieutenant Governor, and stood by and fields and gardens are numerous. They occupy a only wonder to me was, that there was a place in

good deal of land, not only by covering it, but their rough points, and the fear which cattle have of touching them in plowing, prevents working within about two feet of the wall. It is a great labor which Fences—Apple Trees destroyed by Mice—Stone Fences best of Pastures, Doubtful as to Fields—Stones a great Nuisance hand, and so it generally happens that briars and bushes occupy them, offending the good taste of all My Dear Brown: My sojourn a few weeks on beholders. Then again stone walls furnish exceland now it is not more than half complete, because There is hardly a stone to throw at a dog on the once in a few years, some hungry mouse has crept

Many farmers in old times planted a row of apple

On the whole, I think in most localities, especial-What was undertaken, was done, in our fields. For a pasture, there is nothing so cheap, It would make a cannon-proof fortification hand for repairs. If, therefore, one could have just and clean fields and gardens, it would be the pretti-Stones or no stones, that is the question. I have est farm in the world. But Providence does not so thing was of such traps, and how she nearly tore As to fences—a stone wall is doubtless the cheap- her foot off. I think you cannot have forgotten the But the objections to stone fences around saw you bind up the lacerated foot with tar! The the pasture where there was room enough for a Less rain probably falls on the high ridges of this cow to get her foot between the stones! Perhaps, county, than in the river valleys, yet there is no however, such accidents are of too rare occurrence, land that endures a severe drought such as that of to form a serious objection to rocky pastures.

ing, in moving, and indeed all other operations on ciding how to choose a farm, when about purchasthe land. On my Exeter place, we grind our shov- ing, and some of the sources of consolution, or reaels and hoes, and they hold their edges for weeks, sons for being discontented, which a man who lives We set the plow at one end of the field, and it runs on a hard farm may always find, according to his without stopping or breaking the furrow to the disposition. A morose, "sour-complexioned" man other. We grind our seythes, and they are only would be miserable in Paradise with Eve by his dulled by cutting the grass itself. Here, although side, while he of cheerful heart will bear his portion our fields are cleared, and the boys have picked of the burden laid upon father Adam, and earn his stones for a hundred years, every stroke with the bread by the sweat of his brow, and find content, hoe or shovel gives back the sound of a pebble on and create a happy home, even in a wilderness. the steel, and the implements are soon blunted.

We use nearly double the team in plowing, and the plow groans and labors constantly, as if passing through a stone heap, and every new breaking up of the sward brings to light a few loads more of the hidden rocks. Clear your field as you will in a stony region, some round pebble will rake your stony region, some round pebble will rake your make such a lasting impression on the mind as what scythe from point to heel, every swath, and ocean we experience. Theory, like the ignis fatuus, often we experience. sionally the point of a fast rock will break such a bewilders and leads to error in practice. Relating our gap in the edge, as will send you groaning to the experiences, whether successful or otherwise, may painful to be more than alluded to.

on a farm. I never felt the want of them in Exe- the one in favor of deep plowing as well as the one ter, except for drains. Our friend French, of Brain- in favor of shoal plowing. The success of the far-on his farm. If I could find good land free of that he might plow deep. If it is a hard iron pan stones, I should vastly prefer it to what is called land, which may be known by its iron-rusty color, stony land. For my drains in Exeter, I have under-draining is better than disturbing a poisonous made use of bushes, filling the drains, say a foot or subsoil. If the subsoil is of a loose, saidy or gravtwo deep with bushes, and poles of an inch or two less large quantities of manure can be applied. in diameter, covered with turf or old boards, and years. Still they are not sufficiently permanent; piece of land, the subsoil a fine clay loam compoundand they furnish quite too good accommodations beam; my neighbor exclaimed, you will ruin your of almost any description are much better.

hard hill farms of this part of New Hampshire, only eatable corn raised in the town that year. The The world does not produce finer apples than old next year I had 20 bushels of spring wheat at the Chester. They constitute the leading selling crop acre, and the succeeding year nearly three tons of of the town, as indeed of the county generally, hay on the same acre; all these crops from one On these hills, where we find a pan so hard that we use a crowbar in digging a post-hole, and often find traordinary, but merely to show what an effect deep stones enough to nearly fill it when dug, an apple plowing will have on some kinds of worn-out land tree is almost sure to live and thrive. Trees are that had previously been superficially plowed. rarely winter-killed on high and hard land. The frost strikes neither so late in spring, nor so early in fall, as on the plains, so that we often see dallias and such land to a forest is best for the credit of the conclusion that converting tomatoes and such tender plants in full freshness soil as well as for the interest of the proprietor. 1 two weeks later here, than in the valleys around. have a field of 10 acres, low and level, which bears

last year, like the high rocky farms. These are Stones are a great nuisance in plowing, in hoc-some of the considerations to be weighed in de-

> Truly yours, Chester, N. H., .lug., 1855.

> > For the New England Farmer.

DEEP AND SHOAL PLOWING.

grindstone. And as to mowing machines, the ef-fect of contact with stones with one of them is too those of less experience. Living in different States and working on land of various soils in different locations, I have become so liberal-minded, that, In this view, decidedly, I don't like many stones like the anxious politician, I can join both parties, elly texture, shoal plowing would be preferable, un-

In the memorable year of 1816, in what is filled up with earth. They earry water well, and now the city of Lawrence, I engaged a neighbor to have answered a good purpose thus far, six or eight unite his team with mine to plow a barren clevated for moles and mice, "and such small deer." Stones land; I said, Captain, I am in no apprehension of making my land any worse, for it has borne nothing After all, there is much to be said in favor of the rd hill farms of this part of New Hampshire. The result was that Mr. J. How and myself had the

the drought equal to any other land; part of it is They are so many reservoirs in which have been acfounded on a hard iron pan subsoil, which, when cumulating for centuries, the very materials that are exposed to the air, slakes into a coarse red sand very needed to renovate the light soils upon their borporous. I have found draining this land by ditch-ders. These soils, since the wood has been cut from ing has improved it, and that a superficial plowing is them, and they have been brought under cultivabetter than deeper. All below the organic soil aption, or used for pasturage, have been exposed to pears to be an inert iron colored sand, if not poisonthe full action of the rain, which has dissolved and ous, entirely destitute of any fertilizing principle, washed the salts and soluble humus into the low only fit to sustain the upper stratum, and the nigher grounds adjacent, where they are stored ready to I have applied the manure to the surface, the better be returned to the soil from which they were taken. my crops of potatoes, oats and grass have been. An inexhaustible supply is thus provided, ready to On the whole, I have concluded that the dispute be used over and over again by succeeding generaabout deep and shoal plowing will compare with tions of cultivators. Nature is thus furnishing mathat about the color of the chameleon. Every thing terials to ensure the fertility of the soil for all com-relating to success depends upon the situation and ing time. But nature will not apply it to the soil. kind of soil we work upon, and the care and manner Man must do his part of the work. It is for him of doing the work; and every farmer must judge to apply the materials thus provided for him, to the from observation whether deep or shoal plowing soil which is most in need of it, or which his conve-will afford him the best crops. For one, I am fully nience may lead him to cultivate. This he must persuaded that deep plowing in soils of certain com-learn to do at the proper time, and in the most binations, which I am not chemist enough to define, economical way. is altogether best, and that with our scanty supply of manure, generally, shoal plowing in many loca- not do everything for him. She intends that he tions will better reward the farmer's expectation.

Wilmington, 1855. S. Brown.

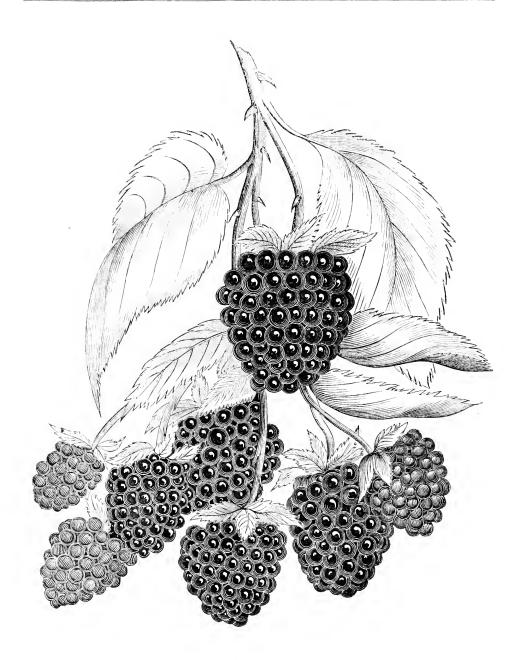
For the New England Farmer.

PEAT FOR MANURE.

position goes on very slowly. In proper peat there have disappeared. The remedy then is obvious, is present more or less tannic acid, which preserves The vegetable matter, the staple food of living it from decomposition. In addition to the vegetable matter in peat and mud, there are present such where are these to be found? This becomes the from the neighboring soils. Of course there will be being constantly carried by the rains and melting found some difference in their composition, arising snows into the valleys and basins and lowlands, and from the nature of the surrounding soils. The min-that vast accumulations have here been made, and erals principally found in peat are siliea, lime, mag-upon examining them, he finds the very elements nesia, iron and alumina. I find on record analy-which are wanting in the soil which he has been ses of about thirty samples of mud, and the average cultivating. Here then he has found the very thing of them gives 79 per cent. of vegetable matter, more he wants, the means of restoring to fertility his than half of which is in an insoluble state, that is, worn-out and exhausted land. His own industry not completely converted into humus, or but parand ingenuity must do the rest. Here nature leaves tially decayed. One quality in peat and muck which him to work alone. She has provided the material adds greatly to its value, is its strong affinity for which he needs, and stored it up in vast deposits ammonia, which it absorbs with great avidity and within his reach. When man has cut off the forretains for the use of plants. Dried peat has an allests around his dwelling, and destroyed the fuel most unlimited power of absorbing and retaining upon the surface of the earth, he examines the bowthis element so necessary to vegetation. When peat is quickened by an admixture of substances of fuel provided for his wants, by the beneficent containing ammonia, it becomes one of the very hand of nature. But by his own ingenuity and labest fertilizers that can be applied to light, sandy bor he must bring it to the surface, and prepare it soils, and indeed to all soils that have been deprived for use. Thus it is with the fertilizing elements by cultivation, of vegetable matter, that was present which he has used up in the land from which he in them when they were first brought under the has drawn the means of sustaining his life. Beplow. It restores the very elements which they cause his land grows less and less productive by need.

that the vegetable and mineral elements on which wants. Nature, with far-reaching sight, has foreplants feed have been eaten out of them. Peat and seen this very emergency, and provided for it long mud abound in the ponds and swamps and mea-before his necessities led him to make the discovery, dows, and by the sides of the creeks that are so and now his own labor and skill must do the rest. liberally distributed throughout the eastern States. | Concord, Aug. 10.

Nature is ever at work for man; but she does should be a worker too. She provides for him, all the materials he needs, and points out to him the deposits in which they are stored, and compels him by his wants and necessities, to bring them to light, and apply them to use. Thus when he finds the soil, by continued cultivation, so far exhausted that it refuses longer to supply his wants, he is com-Peat, muck and meadow mud consist largely of pelled to examine its composition, and see what it decomposed and decomposing vegetable matters, has lost, and inquire how it can be restored to that which have grown on the spot where they are found, state of fertility in which he found it when he first or been washed into their present localities from put it under cultivation. He compares his wornthe surrounding high lands. Being covered up and out field with a portion of virgin soil. He finds the excluded from the action of the atmosphere, decom-|decayed vegetable matter, and some or all the salts, mineral elements as existed in the vegetables of subject of anxious inquiry. He notices that the which it is composed, and such as have been washed lighter and more soluble portions of his lands are continued cultivation, he need not fear that it will When we say a soil has been exhausted, we mean ultimately become barren, and cease to supply his



NEW-ROCHELLE, OR LAWTON BLACKBERRY.

delicious fruit. It is hardy, and a great bearer, and mens we have growing in our own garden, we hardis an important accession both as a dessert and for ly think the description overstated. The plants preserving.

The account below is from the American Agri- Port, Esq., 14 Commercial Street. culturist, and we publish it, with the accompanying culturist, and we publish it, with the accompanying A year since we gave a somewhat full report engraving, not to endorse all that is said of it, be- (the first one published, we believe.) upon the cause we have not a personal knowledge sufficient claims, characteristics and value of the New-Ro-

We have published, before, some account of this to justify it. Judging, however, from the specimay be purchased in this city of George Daven-

taste the quality of the fruit.

These gentlemen have, we believe, the largest inches of the ground. area in the country (some five or six acres) devoted to the cultivation of the genuine variety of this this latitude; at the South, in March. Probably plant. A part of this ground they use for raising November planting is preferable. If planted in auyoung plants, and a part was left to fruit this year tumn, it is better to cover them up till spring with for the purpose of showing it in bearing while in straw or litter, field culture. All who have examined the fruit We have spo have been surprised and delighted with the large we esteem it a valuable acquisition, and we desire to size of the berry, its deliciousness, and especially its see it distributed so extensively that it may soon beproductiveness. We visited this plot on Thursday come abundant in every market. It now sells readas at other times during the past year, we are ready we do not see why it may not be raised, with a fair

to endorse all we stated a year ago.

other previous preparation than plowing and an ordinary coat of barn-yard manure. The only cultisome time to come will probably be in demand at vation since has been keeping down the weeds, and fair prices. The limited supply, and the high priof this implement. The ground is now so thickly being considerably reduced. covered with loaded vines and young shoots that it is difficult to go over it.

had free access to about one-fourth of an acre, and will in this case—as in that of fruit trees—attempt though hundreds of quarts have been eaten or car- to palm off anything in the shape of a blackberry ried away, the whole vines on this plot seemed to vine, as the genuine New-Rochelle. If carefully be leaded with berries. Two canes in each hill packed, they may be carried safely to a considerawere allowed to fruit. We counted the berries on ble distance, provided always, that in taking up or some of the average-bearing canes or single stalks, setting out, the roots are never left exposed to wind and found from 500 to 1,000 ripe or growing ber- and sun.

ries on each.

The size of the fruit can hardly be appreciated by those who have seen only the common varieties of blackberry. Of about the average size, 30 to 40 berries filled a pint basket; while of those a little above the medium, 20 to 25 berries did the same. An inch to an inch and a half may be set down as pondent, C. G. W., in the Farmer of Aug. 11, of the average diameter, though larger berries are the sterility of his quince trees, after a full bloomquite common.

ety, viz: its few seeds and its richness of flavor, notwithstanding its large size; and its steady bearing, credibly informed by those who have, that removfor we learn that it has not failed to yield an abuning the earth from the principal branches of the dance of fruit every year since its cultivation, now roots, and puncturing through the bark with a fork,

a dezen years or more.

canes were slightly nipped by frost.

chelle Blackberry—culled also the Lawton. We recommend even a heavy clay as best. It has recommended the plant as one worthy of general been thought that blackberries need shade; but cultivation, and our endorsement and remarks have those cultivated by Seymour & Co. are upon an been extensively copied by the press of this coun-open lot, and we found the best and richest berries try, and by some European journals, and a very upon the top of the vines, where most exposed to general interest has been awakened. An evidence the sun. However, the fullest clusters of the larof this is found in the circumstance that, during this gest fruit, though not the sweetest, were partly shamonth, more than a hundred horticulturists and ded by the leaves. Mulching, or covering the soil others, from Boston, New York, Philadelphia, and with straw, leaves, salt hay, or some such substance, the cities and towns between these places, as well is doubtless good treatment for this, as for all simi-as from Concord, Albany, Newburg, Utica, Syracuse, lar plants. We should advise the selection of at and Rochester, have visited the grounds of Messrs, least a moderately good soil, deep plowing or spa-Geo. Seymour & Co., of South Norwalk, Conn., in ding, with a coating of barn-yard manure or guano. response to their invitation for "all interested to When first set out they should be placed at about come and see the plant growing and bearing, and their natural depth, say 3 inches, in rows 6 to 10 feet apart, and the stems be cut down to within six

They may be set out in November or April, in

We have spoken thus freely of this fruit, because of last week, and from what we saw there, as well ily in New York for 25 to 20 cents per quart, while profit, at 5 or 6 cents a quart. Once planted, it re-The plants especially devoted to fruiting were quires no more labor to cultivate it than the same set out two years ago—eight feet apart each way— area of corn, since the chief care required is to keep upon a rather poor, worn-out, hill-side soil, with no down the weeds and an excessive growth of young the application of about 400 lbs, per acre of Peru-ces heretofore asked, has been a bar to its general vian guano, which was sown broadcast last spring introduction; but several persons have a large numand worked in with a cultivator where the plants ber of growing vines which will be ready, for sale were not spread out so much as to preclude the use the coming autumn, and we learn that the price is

A word of caution is necessary in reference to securing genuine plants, carefully packed: for unprin-Since the beginning of the month visitors have cipled and irresponsible peddlers and speculators

For the New England Farmer,

TO MAKE BARREN QUINCE TREES FRUI'TFUL.

ing, is by no means an uncommon one. I have There are two remarkable things about this vari-never been troubled with it, and have therefore had (common table fork,) or any sharp instrument, has It appears quite hardy, as it sustained very little proved efficacious in preventing a recurrence of the injury in the open field during the past severe win-blight which settles upon the blossom, and prevents ter. We noticed the tops of a few of last year's bearing. These punctures, as I understand it, must be so thick as to well scarify the bark, which, from It grows well even upon poor soil. We should their smallness, will soon heal over, and should be advise a moderately dry loam, but some cultivators given after the fall of the leaf in autumn, or in early

When the puncturing operation is per-instinctive feeling of dread, but a clear, undoubted formed, the earth is, of course, to be replaced over communication of facts. So among bees: the inthe roots. The above remedy seems to me very stant the queen dies, the sad event is made known plausible in theory, though it looks like a small and throughout the hive. No sound, perceptible to huinsignificant operation, (such however, are often the man ear, is heard, but the antenne move with sur-

set. Sow when the leaves and blossoms are wet deal and dumb, with whom signs represent letters with dew or a moderate rain. Its effects upon the or words. quinee would probably be equally beneficial as on The cricket, even, is not without its note of utter-I have found very beneficial. Apply over the roots speak of being in March. Yours truly, W. Bacon.

Elmwood, Aug, 13, 1855.

UNKNOWN TONGUES---LANGUAGE OF ANIMALS.

on this subject in Putnam for August:

a friendly spider. She came at his call; she took the desired companion. Then he returns to his solted and now impassable country would soon be est notes. frozen over so that they would be able to march over the ice-bridged swamps and lakes, for the spiders, true barometers as they are, had taught him IN THE MONTHS OF JANUARY, FLERUARY, MARCH AND APRIL. to read, in their queer habits, the signs of approaching weather. The frost came, and with it the French; Holland was taken, and the lucky prophet set free. The spiders, alas, were forgotten.

Even the "hateful toad" has been the captive's friend and companion, and shown itself endowed with a fine ear and remarkable talents. They come out of the dark night of their holes, when their self-chosen master's voice is heard. They take flies from his hand; but what is the strangest of all, they actually learn to measure time; for more than one well-authenticated instance speaks of their having appeared only at stated times, when the jailor was

absent and all was safe.

The language which animals speak, by means of friction or concussion, is naturally the least known the whole army is informed. Here we see, not an of the last six months been as high, at retail, as \$14.

best.) and for those who have cause for experiment-prising effect, and, as the result of a clear act of voing, it can be very easily tried, with the assurance lition. It is not a sensation, merely, nor an instinct that if no good results from it, no harm can follow. tive action, but it has all the signs of special pur-I have found sowing gypsum on fruit trees, when pose. How they speak, we know not: this only is in blossom, very beneficial in inducing the fruit to certain, that their language is not like that of the

pears, plums and apples, though we cannot speak ance, and although a purely mechanical sound, it with certainty on the matter. Salt for quince trees has its sweetness and charm, so that Milton could

"Far from all resorts of mirth Save the cricket on the hearth."

It produces a loud, clear sound, by a quick vibration of the elastic skin between its wings; and from the time when the Athenians wore golden cicada in their hair, to our days, when the cricket on the We make the following extracts from an article hearth is the proverbial image of home comfort, its simple note has been dear to the heart of man. The true ericket, however, speaks only in the sunny time How easily spiders are made to know the voice of of love. The male begins in his hermit-cell, as May their master, is familiar to all, from many a sad prist approaches, to produce a low, inward note of longoner's tale. When the great and brilliant Lauzun ing. As the sun rises higher, and summer advan-was held in captivity, his only joy and comfort was ees, his shrill song becomes louder, until he finds her food from his finger, and well understood his itary life once more, and his voice dies away by deword of command. In vain did jailors and soldiers grees. Dean Swift has left us a humorous descriptry to deceive his tiny companion. She would not tion of the curious note of the death-watch beetle. obey their voices, and refused the tempting bait The little fellow, in his narrow cell, falls in love; from their hand. Here, then, was an ear not only, immediately he begins to thump his head against but a keen power of distinction. The despised lit-the ground, and uses such energy in his demonstratle animal listened with sweet affection, and knew tions that he leaves deep marks in the softer kinds how to discriminate between not unsimilar tones, of wood. The powerful stroke produces a loud So it was with the friend of the patriot, Quatermere sound, the infallible presage of death to superstitions d'Ijonville, who paid, with captivity, for the too ar- man, the soft music of love to the female beetle. If dent love of his country. He also had tamed spi-other males are within hearing, they all join in the ders, and taught them to come at his eall. For, concert with furious knocking, and such is their when the French invaded Holland, the prisoner jealousy or zeal to answer, that even the ticking of managed to send them a message, that the inunda- an innocent watch excites their wrath and their loud-

PRICES OF FLOUR FOR 20 YEARS.

	January.	February.	March.	April.
1836,	7,25	7,50	7,373	7,50
1837,	$10,12\frac{1}{2}$	11,00	11,25	10,25
1838,	8,75	8,25	8,00	8,25
1839,	8,871	8,933	5,00	8,50
1840,	5,873	6,375	9.75	5,624
1541,	4,934	$4.87\frac{f}{2}$	1,75	4,923
1842,	5,87 \$	6,43}	0.122	6,25
1843,	4,561	4,37 (1,75	5,122
1844,	4,621	4.813	4,934	4,907
1845,	4,683	4,843	4,51	4,75
1846,	4,66	4,56	4,76	4,62
1847,	5,12	7,00	7,121	7,62
1848,	6,87	6,25	6,125	5,75
1849,	6,00	5,87	6,00	5,60
1850,	4,50	5,50	5,56	ត់,ត់ម
1851,	5,00	5,00	4,75	5(00
1852,	4,56	4,62	4,52	4,31
1853,	5,56	5,50	a,00	4,56
1854,	7,87	9,60	9,00	9,75
1855,	12,00	12,50	11,75	13,00

Remarks.—The above were the prices at Albaof all. We see the eager ant rushing homeward to ny, we suppose, as we cut the above from the Jourtell the news of an invasion; she meets a friend, nat of the New York Agricultural Society. At their auteums touch and play with each other, in rapid succession. The messenger returns, the latter conveys the news by the same means to others, until than the highest in this table, having in the course

For the New England Farmer.

GREEN CORN FODDER.

Does green corn, when fed to cows, increase their This is a point on which different opinions are entertained by practical men. I yesterday met a gentleman, who has one of the best farms in the time they left the shell, till, in fact, they killed each vicinity, on which fifty or more cows have been kept other outright. for years, to furnish a supply of milk for the marthe or no benefit, by way of increasing the milk, acconsequence to know whether such feed is worth grown on an acre. We find every agricultural soa feed for milch cows, at the season of the year obtaining it met our disapprobation, and eventually when the feed of pastures comes short. Mr. Editor, can you give the public any light on this question? Yours truly, AGRICOLA.

August 16, 1855.

green corn fodder; but we should just as soon beside one of them, lying flat on his breast, with his doubt whether green grass increased the quantity legs folded under him, and his head and long neck of milk, as to doubt that green corn fodder does. At the same time, we have great deference for the seen playing with them; his part of the performopinion of others, who have opportunity to notice ance consisting in springing up, flapping his wings, the effect of such feeding, and whose opinions are, and whooping tremendously. This was precisely perhaps, as good as our own.

DANCING CRANES.

from "The Grove, Illinois," gives the following interesting description of the Brown Sand Hill Crane:

numerous flock that a few years since might be good cating. seen holding their strange dances on some favorite cious intruder.

Frenchman's, or their quadrilles quite a la mode, but American birds. dance they certainly do. As for their music, though lacking the harmony, it is about as loud and melodious as a fashionable opera air.

nest, each of the old birds taking eare of one—the supposition being that they would fight if allowed to remain together. In corroboration of this somewhat singular idea, I can only say, I never found two of the young birds in company, and a pair which I had caused a hen to hatch, fought from the

The bird is easily domesticated. I kept one for ket; and he expressed a confident opinion that lit-several years, who showed all the attachment and the or no benefit, by way of increasing the milk, according to cover a friend or crued from feeding to cows green corn. I expressed forgave an injury. If any one had abused him, it surprises at this as I knew it to be cultivated by surprise at this, as I knew it to be cultivated by was of no avail to attempt disguise; he recognized many good farmers for this purpose, and as I had often seen it recommended in agricultural publications. He said he knew all this—but still his own his reach. He was a great gormandizer, and was of field wine of experience was to the contrary. Now this is a very fond, among other things, of field mice, (Arviquestion that should be settled. It is of far more colu,) many of which he destroyed, being quite experience was to the contrary. consequence to know whether such feed is worth pert at finding their nests, and searching out the growing, than to know how much corn can be immates with his long bill. He would have been of service in the garden, were it not for his inquisitive ciety of the land offering premiums for the best propensities, which led him to pull up for examinacrops of corn on an acre, but I have never known a tion everything he saw us plant. Though a desire premium offered to test the value of green corn as for knowledge might be very laudible, this mode of caused his banishment.

Though a migratory bird, he did not seem to suffer from cold in the winter, and being fond of wading, even kept a place in a neighboring slough free from ice till late in the season, by tramping about Remarks.—We have never made note of the ac- in it. I provided him with a warm house, but he tual quantities of milk produced with, and without preferred to sleep with the cows. He always slept turned back between his wings. He was on good the same as the dancing of his wild brethren. He would also dance to the waving of a handkerchief; and on windy washing-days sometimes danced for hours at a time to the clothes on the line. When A correspondent of the Prairie Farmer, writing much enraged, he would stand with his head and bill pointed directly upward, and utter a harsh, eroaking sound, quite unlike his usual whoop.

A young crane makes no despicable article of food. The old ones, I should suppose, would be Many of these noble birds still nest in this vici- rather tough and snaky; but an old Indian hunter nity, but their number is small compared with the of my acquaintance says, "A turkey is not half as

Audubon supposed this to be only the young of knoll, or feeding, while their sentinels, judiciously the White Crane, but he was wrong. The White posted, stood ready to give warning of any suspi- Crane, (Grus Americana) is more of a southern ous intruder.

Some are incredulous as to the dancing of cranes, ing over this fall for the first time. I saw a pair flyling over this fall for the first time. These two spe-It is true, their movements are not as graceful as a cies are amongst the largest and finest of our North

THE DECAY OF TIMBER.—Some years ago, a philosopher, being acquainted with the fact that every The Sand Hill Crane is omniverous, devonring species of fungus, which is the real source of the rot pretty much anything eaten by birds. The nest is in timber, can vegetate only on substances which a simple pile of rushes or grass—flat on the top, are soluble in water, made the following experibuilt in some deep slough or pond. The eggs, two ment with sawdust. He took a portion of sawdust in number, are shaped much like those of the from a heap, and divided it into two equal parts. common turkey, of a light amber color, splashed One heap was washed over and over again in water, with brown. The nest is usually surrounded by till everything soluble was removed; the other deep water, but the young birds swim readily, and heap was undisturbed. Both, having been dried, leave it as soon as hatched. It is believed by many were placed, side by side, in a damp, close vault, and that they separate, immediately upon leaving the allowed to remain there several weeks. They were at length taken out, and the following was the re-it is an August and September apple. Unless my sult:—that portion which was washed until nothing tree shows something better another year, I shall more could be carried off by water, remained clean regraft it. Is there any living man well acquainted and bright as when it was carried into the vault: with this fruit, now Mr. Cole is departed? the unwashed portion had become the prey of foul parasites, and was completely imbedded in an offensive mass of mould. This experiment proved the Is a very delicious September apple, and though theory of the philosopher, and convinced him, that, hardly large enough to be considered a first-rate if him. if by any means our timber of any sort could be de-market apple, it has no rival while in the field. It prived of all those matters contained in it which are sells rapidly at an extra price. Though not so large soluble in water, it could be kept any number of as the Gravenstein or the Porter, neither so firm years entirely free from rot.

For the New England Farmer,

SHORT READINGS ON APPLES.

THE MAGNOLIA.

This apple is the one which the late Mr. Cole introduced. It is nearly unknown in this region, November; medium size, flattish, smooth and uni-(coming from Bolton,) and I have not seen but two form in shape, with as high color as the Williams, persons who knew anything about it; namely, Mr. and purer flesh, it always attracts attention. It is Cole, and a dealer in fruit at the Quiney Market, very tender, pleasant and juicy, and in December who said it was the best apple he ever tasted. Large has the freshness and peculiar flavor of an August medial, sprightly and tender, pale yellow ground, apple. This fruit came from Canada, and is suited with crimson side. If any of the readers of the to cold regions. Farmer are acquainted with this fruit, I wish they would communicate upon it. Ripe in November.

THE AMERICAN SUMMER PEARMAIN.

was not informed of their name. Most of them ly bearer; but a little too tart for most persons, were large to very large, rather flat, with a broad and rots more rapidly than the Williams. basin, yellow ground, nearly covered with dark red. They were generally fair and uniform in shape, and would have created a sensation on the Massachusetts Horticultural Society's tables. They were tender, very pleasant and juicy, with white flesh, and many of them had numerous dark blotches, and some of them were slightly cracked. So interested many eminent fruit judges in the city; but strange fields almost white, with tops drooping and fallendiscovered another barrel of them, or what I supthis sudden change I do not understand; but learn posed to be the same; yet they were of lighter color from those interested, that their crop is blighted; and were less blotched. The fruit-dealer did not know what they were, and I determined to make further inquiry. To be brief, I found a nursery-crepid appearance, is the consequence of insect opman who suspected it was the American Summer erations, or superabundance of moisture, or is oc-Pearmain; and looking into Cole's Fruit Book, I casioned by any peculiar state of the atmosphere, recognized it, I thought, in his description. This I will not presume to say; but that it prevails, to a apple is so rare and beautiful, that it deserves an very considerable extent, cannot be demed. extended notice from some one who has cultivated! it in New England. New Jersey is the place of its the other upright :- and parts of the same field origin, and Mr. Cole says it cracks badly with us, fallen and parts not fallen; but how to explain this Do cultivators of it here find it to be so?

COLE'S QUINCE

American Fruit Book, and will probably be much have been so difficult. We speak of only what we sought after on his recommendation. I have a tree have seen—if others can tell more, we should be which bore about a dozen this year, but they did not pleased to know it. meet my expectations. Most of them are knotty and wormy, and show no indications of ever being recollection, almost without limit; and if, like most fit to eat; and though the tree sets full, most of the other objects of culture, it is to be regulated by the fruit falls prematurely. Mr. Hovey has it in his profits of the business, it is destined to a still great-catalogue, and calls it a winter fruit; while in fact, er extension.

THE GARDEN ROYAL

nor so handsome, it must be a favorite wherever known for its tenderness, juiciness and fine mild flavor, which is similar to the Hubbardston Nonsuch, and its color also is very much like that apple.

THE FAMEUSE, OR SNOW APPLE,

So called from the whiteness of its flesh,-is a brilliant gem among autumn apples, ripening in

THE RED ASTRACHAN

Is an apple which is attracting much attention at present, and for an August apple, will rival, if not surpass, the Williams. It possesses some virtues A year ago last autumn, in September, I discovered an apple in Pleasant Street, Boston, which the latter fruit does not, though its flavor is not so mild and agreeable. It has a white, delicate ground, greatly excited my interest. A grocer had bought mostly covered with vermillion, with a bloom similar to a red plum. It is a good grower, and an early covered with vermillion and proved proved.

> W. Medford, Aug. 20. D. W. L.

> > For the New England Farmer.

BLIGHT UPON THE ONION.

About four weeks since I had occasion to pass was I in this splendid apple, that I was determined, some of the fine cultivated fields of onions, that if possible, to find out its name. I accordingly abound in this vicinity, when they were clothed in a pocketed some, and took the liberty of calling on luxuriant green; since then I have seen the same to say, no one could tell what it was. Last fall, I with bottom not yet perfected. The occasion of

We have noticed contiguous fields, one drooping, difference is not in our power. Perhaps if we had marked the time of planting, and the manner of manuring, and the use made of the field in years Is an apple which makes a great figure in Cole's previous—the solution of the problem would not

The culture of the onion has expanded, within our

We know of no section of the country, where it by the absorbent vessels taking too much of their is more successfully pursued, at the present time, poison into the system. Who would dare cover than in the environs of Salem, Mass. Here are to himself with mercurial ointment, or arsenic and be seen, fields of six, eight or ten acres together, lard? I pause for a reply." under the care of the same individual, with the prospect of four or five hundred bushels to the acre. The average price of this vegetable, for the last ten years, has been as harvested from the field, not less than fifty cents per bushel—and so on to one dollar, ry of business to reply to a few inquiries in the Faraccording to the demand. More than 200,000 mer for August. Locusts made their appearance in bushels were grown the last year in a single town Sandwich last June. I have two pairs, male and adjoining Salem. Can any one name a more productive article of culture?

this crop, as it cannot be looked upon as an essen-compared with 1821. In 1838, I was in the "Far tial article of food for man or beast? With much West," and do not know as they appeared in this more propriety may it be asked where is the pro-section. priety of growing tobacco, as done on the fine linds any animal except man.

EXTRACTS AND REPLIES.

RED-HEADED GRUBS.

Mr. Editor: —I should like to learn through the columns of your invaluable paper, whether there is a remedy for the red-headed grabs which are destroying whole fields of grass? They eat off the In roots of the grass, so that the turf will peel off.

the more worms there are. This worm is called tried and proved for, I think, about eight years. by some the muck worm.

Remarks.—No depredations of this kind are going on in this section, and if so, where they are on so general a scale, nothing that we could afford to apply would be likely to arrest them. Will our correspondent try ashes on a square rod, spread on liberally? and on another lime, noting the amount of each that he applies? We shall be glad to learn the result.

LICE ON CATTLE.

This pest may easily be removed from any creature in an hour's time by washing or lathering thor- the largest were cut into three pieces, two pieces to oughly with good soft-soap and soft water. About the hill; the small, of the size of hens' eggs, planttwo quarts of each thoroughly mixed and warmed, ed whole, two to a hill. Their flavor and the color will, if well applied, kill every louse, and every egg of their flesh is similar to pink eyes or peach blows, will be prevented from maturing on any animal. There is so marked a distinction between them and whether horse or ox. This is a perfect and a safe any other variety known to me, that I could, after remedy. If very troublesome, it is frequently best they have sprouted, pick them out in the dark from to "soft-soap" them the second time, after the first any others. I call them Cape Cod. has become dry. After the second drying, wash out the soap with water in plenty, and you need fear no bad effects from it, but on the contrary, the creature will thrive the better, colts especially.

The above application is worth five dollars to every colt, whether lousy or not, before putting off to pasture in the spring. It should be done in a warm day.

sulphur, and many like things, are generally resortis applied in sufficient quantities to produce a per-|contact with quick-lime or ashes. feet cure, the health of the animal must be impaired rule, it is best to use them separately.

LOCUSTS-GARGET-NEW PROLIFIC WHITE POTATO.

Mr. Editor:—I snatch a moment from the hurfemale, upon a card labelled "Locusts of July 1st, 1855, due again in 1872;" they appeared in con-It may be asked, where is the utility of growing siderable numbers, but in East Wareham, very few

Some one, for garget, recommends linseed oil as on the borders of the Connecticut—which in all its a sure cure. It may cure in some cases, as oils are qualities is positively bad. Still, so long as there is sometimes used with success in local inflammations; a demand for these things in the market, they will but in using linseed oil for garget, there is great be grown; and less harm will follow the growing danger of driving the disease into the entire sysof the salutary onion, than the nauscating and poiltem, and greatly injuring the cow. Upon the first sonous tobacco plant—too offensive to be used by appearance of garget, carefully and thoroughly wash the udder and tests with pure cold water, both before and after putting the calf to the cow, or milking; milk three times a day, or at least wash that number of times; and in a very short time your cow will be free from the disease. I have never known this treatment to fail of curing, even in cases where the udder and teats had become badly ulcer-

In reply to the inquiry of James Richardson, Jr., I have a new variety of white potatoes that are It seems that the better the land is cultivated, much more prolific than peach-blows, that I have Two years since I was absent from home from December to the last of the following July, during which time these potatoes were sold or otherwise disposed of, much to my disappointment and regret. However, there sprang up a potato vine in my garden, which was then uncultivated, which throve well; and in the fall I dug the potatoes, and to my surprise, and satisfaction, found them to be of my cherished seed. By referring to minutes of last year, I find that with this seed I planted about twenty hills. My potatoes last fall were harvested in my absence, and every variety of white potatoes put together. This spring I found time to search out my favorite seed, and have planted 318 hills;

North Sandwich, 1855. Mortius.

SUPERPHOSPHATES.

What is the effect in applying De Burg's superphosphate of lime, and have it come in contact with lime or wood ashes? S. E. R.

Remarks—Superphosphate of lime as sold for Tobacco, snuff, oil, mercurial preparations, ashes, agricultural purposes, is a combination of substaned to, and even arsenic is sometimes used. If either ces, some of which might be affected by coming in As a general TO MAKE BARREN QUINCE TREES FRUITFUL.

Mr. Editor: — In answer to the inquiry, what can be done to make barren quince trees fruitful, I

be obtained with less trouble. P. Wait.

Danvers, Aug., 1855.

CURCULIO REMEDY.

Saturate a piece of cotton cloth, eight or ten inches wide, in strong soap suds, and tie around the tree below where the limbs start out. The fruit of trees which I have served thus is entirely free from cloth is sadly affected.

Halifax, N. S., 1855.

BARREN PLUM TREES.

In reply to C. G. W., in the July number of the say that plum trees, in the like state of barrenness, fall.

Northfield, Vt.

Lyman's Large Summer apple, introduced to notice sertion supremely ridiculous. by Mr. S. Lyman, of Manchester, Conn. Being early, and of a sprightly sub-acid flavor, it is worthy of cultivation.

A box of Grapes, of J. Fiske, Holliston, Mass. Very large, and a month earlier than usual. Mr. celery, as indeed it has for most crops, and celery Fiske states that the vine covers a space of fifty will no doubt be fine and plentiful. Where only feet over the cow-yard, thus preventing the manure sufficient is grown for the supply of the family, a from drying, and affording a fine shade for the cows.

Lunenburg, Mass.—Large and beautiful. There be commenced as soon as large enough to draw are not half enough of them produced. are not half enough of them produced.

For the New England Farmer.

POTATO CROP.

the present week. Unequivocal demonstration has ground is any way poor, as it likes a very rich soil. come to us from Swampscot, on the one side, and sight. Of this we have no doubt. Of the new va-good earthings at intervals of one or two weeks, rieties of potato that have been tried in this vicini-ty, the present season, there is none so highly and grown for market, recourse must be had to the entirely unworthy of regard.

Aug. 23, 1855.

South Danvers.

For the New England Farmer.

SPECULATIVE INQUIRIES.

can be done to make barren quince trees fruitan, would say, that my method is to graft them. The grafts will bear the second year, and then you will seems to be moved with a horror inexpressible, at my reference to "Orion and the Pleiades" as influenced in the property of the population. If my recollection is right, my chief heavy bodies was But some say that oyster shells have the desired reference to these beautiful heavenly bodies was effect. I think if there is any virtue in them to simply to show the folly of scriptural citations, in make the barren fruitful, it is the salt, and if so, the explanation of natural events. Not that I for a the salt alone will produce the same effect, and may moment entertained the belief of any such influences. He thinks we had better wait a "little longer," and see what further facts will be developed. This may be so, but would not such waiting put a stop to all inquiry? Have not I the same right to denounce his opinions as "supremely ridiculous," as he has mine? He, and all other controversialists, should bear in mind, that those who live in glass houses should be eareful how they throw stones.

punctures, while the fruit on those without the the tides may be caused otherwise than by the at-Your intimation that the ebbing and flowing of traction of the sun and moon, is well calculated to admonish the sage philosopher of Chelsea that there are more ways than one to accomplish the same end. It had not before occurred to me, that the theory of the tides, which I learned when young Furmer, in relation to barren quince trees, I would from Enfield, was not well-founded: but I should not be surprised to learn, that the daily revolution can be brought to bearing successfully, by applying of the earth upon its axis, and the inequalities upon a few quarts of salt around the roots, put on in the its surface, have quite as much to do in producing the constantly recurring phenomena of the tides; as the attractions of masses of matter, so remote as are those of the sun and moon. At all events, a H. Brown, Foxboro', Mass. — The apples you man should be wiser than your correspondent has sent are probably seedlings, though it resembles shown himself to be, before he pronounces any as-

August 11, 1855.

EARTHING UP CELERY.

The present season has been a favorable one for from drying, and affording a fine shade for the cows. which is amply repaid by having clear sticks, nicely Early Sweet Bough Apples, from Abel Cook, blanched. For very early use a small portion should which should be carefully guarded against. The bulk of the erop will be better left till towards the end of September before earthing. If any manure water is obtainable before earthing, it is much ben-The forebodings of the *last week* are realities of efited by having a good soaking, especially if the

In earthing, eareful growers always go along first Beverly, on the other, of the fatal prevalence of the with the hand, and pull off any little short leaves rot among the potatoes. The chemingoes are most that would, if buried, only rot, and draw the earth affected. We would caution against the use of po-nicely about each plant. A portion of the soil is tatoes that have a tendency to the disease. We then loosened up with the spade and made tolerahave known entirely families taken with severe in-bly fine, and pushed up towards the plants. If they disposition, by reason of the use of vegetables thus have been planted in trenches, if filled up level, it affected, even when they were entirely fair to the is sufficient for the first time, giving it one or two

praised as Davis' Seedling. Side by side, with other plow, or the expense would be too large to seeure varieties, this escapes disease entirely. Some pre-la return. Many earth up with the plow without tend to crack up the "State of M ine potato,"—but any handling of the plants, and with care and cauthe best observers say, it is a miserable concern-tion are able to do it without disturbing the leaves much; but as a general rule, it will pay to draw a

little to them first, with a hoe or the hand, as if a clod gets on the heart of the plant, the leaves get Not by the Author of "Thanatopsis," "Robert of Lincoln," and twisted and bent, and are worth less in the market. Except the soil is mellow, celery will hardly pay as a crop, from the difficulty there is in getting the earth sufficiently fine about the leaves.—Country Gentleman.

EFFECTS OF HEAT UPON MEAT.

A well cooked piece of meat should be full of its own juice or natural gravy. In roasting, therefore, it should be exposed to a quick fire, that the external surface may be made to contract at once, and the albumen to coagulate, before the juice has had time to escape from within. And so in boiling. When a piece of beef or mutton is plunged into boiling water, the outer part contracts, the albumen which is near the surface coagulates, and the internal juice is prevented either from escaping into the water by which it is surrounded, or from being diluted or weakened by the admission of water among When cut up, therefore, the meat yields much gravy, and is rich in flavor. Hence a beefsteak or a mutton chop is done quickly, and over a quick fire, that the natural juices may be retained. On the other hand, if the meat be exposed to a slow fire its pores remain open, the juice continues to flow from within, as it has dried from the surface, and the flesh pines, and becomes dry, hard, and unsavory. Or if it be put into cold or tepid water, which is afterwards gradually brought to a boil, much of the albumen is extracted before it coagulates, the natural juices for the most part flow out, and the meat is served in a nearly tasteless state. Hence to prepare good boiled meat, it should be put at once into water already brought to a boil. But to make beef tea, mutton broth, and other meat soups, the flesh should be put into cold water, and this afterwards very slowly warmed, and finally boiled. The advantage derived from simmering, a term not unfrequent in cookery books, depends very much upon the effects of slow boiling as above explained.-Chemistry of Common Life.

For the New England Farmer.

A GOOD PRODUCT OF RYE.

Mr. Editor: — I was informed by Mr. Adino Page, of S. Danvers, that he had 73 acres of rye the present season, from which he harvested 229½ bushels,—150 of which were sold at \$1,50 per bushel. The straw will sell for enough to pay for the labor of culture and harvesting,—so that the land may be estimated as yielding an income of \$45 an acre; the manure applied having been made on the farm, of course, costs nothing. This we think a fair product, taking into view the quality of the soil, which has ever been looked upon as ordinary, searcely worth owning. It affords a strong illustration of the benefits to accrue from the adaptation of the erop to the soil. If we do not mistake, there has been grown on the same farm, for ten years last past, crops of rye, each year, varying from 30 to 45 bushels to the acre. Who will say that farming is not worth pursuing, when the poorest land can be made to yield such products? August 20, 1855.

By a census lately taken, the population of Minnesota Territory it shown to be about 45,000.

THOMAS TYTTE.

Minor Poems.

Fluttering nervously here and there Round his lady bird—odd little elf— Now on an iron weed-now in the air, Thomas Tytte is describing himself. Tom-tit, tom-tit, Spit, spat, spit,

I and my wife in this here tree, Live as jolly as ever you see, Feedle, dee, dee.

T. Tytte, Esq., is drest in blue, Like every other high-born tit, With a yellow vest and a choaker too-You'll hear him crow, if you listen a bit; Tom-tit, tom-tit. Spit, spat, spit,

Examine this coat and vest of mine, I'm rather a buck in the tom-tit line, Feedle, dee, dee.

The wife of Thomas, meek and brown, A simple creature afeard of boys, Sits all day in a high-necked gown, Laying eggs without any noise; Tom-tit, tom-tit, Spit, spat, spit,

Lay on, my dear-nobody'll come; I'm keeping watch in this old gum, Feedle, dee, dee.

A very retiring female she, A pattern wife, the dame-tits say, Always blowing and bragging is he, In the old established, masculine way, Tom-tit, tom-tit, Spit, spat, spit, I'm not the bird to run, that's flat! I'm too good stuff, you know, for that, Feedle, dee, dee.

Heigho! look here! two, four, six, eight-Round and white-remarkable eggs! Mrs. Tytte watches them early and late, While Thomas is laughing and kicking his legs; Tom-tit, tom-tit, Spit, spat, spit, Convenient wife this Mrs. T.,

The eggs are chipped, and eight small tits, (The number of eggs) creep cautiously through; Thomas, driven half out of his wits, Scratches his head to know what to do. Tom-tit, tom-tit,

Feedle, dee, dee.

Spit, spat, spit, Trying thing this—singular fate! Unusual number, certainly—eight! Feedle, dee, dee.

T. Tytte, Esq., in a little while, Gets not as careful of his clothes, Seems quite depressed—hath a sickly smile, And singeth mostly through his nose, Tom-tit, tom-tit, Spit, spat, spit,

Exactly where the young ones be, Nobody knows, 'cept wife and me, Feedle, dee, dee.

Autumn comes, the titlets grow, Thomas Tytte is a blockhead dunce; To foreign parts he's going to go, And just as he starts we cry all at once, Tom-tit, tom-tit, Spit, spat, spit, If your voice comes back, and you're not shot,

You come back with it, Tom, otherwise not. Feedle, dee, dee.

RHODE ISLAND STATE FAIR.

This exhibition took place at Providence, Sept. 11, 12 and 13. The weather was intensely hot, the carrie, were not diet. and the dust excessively annoying, yet the occasion about them. We are obliged therefore to speak in was one of great interest, and was numerously at-general terms. Of milch cows there was quite a tended. We were unable to attend, and must make large exhibition, and the collection embraced some up our account from the ample reports given in the as fine looking animals as we have ever seen. The

for some twenty-five hundred persons have been well trained, and showed good treatment on the part erected, besides special platforms for the managers, of their owners. In the pens for bulls were a few reporters and music. Ample accommodations are good animals. The best one was a noble looking, also made for feeding the multitude, and in fact, all gray Durham bull, two years old, weighing 1450 the details of the arrangements on the field show a lbs. He is owned by Wm. B. DeWolfe, of Bristol, wise judgment and discretion on the part of the and is as gentle and kind as a cosset. He is truly a Committee of Arrangements.

On entering the park, we found the cattle, poultry, observation, and the fine birds in them showed that, sufficient excellence to deserve special notice. notwithstanding Burnham's expose of the "Hen Fe-ver," there are those who yet retain an interest in it. There were thirty or forty coops. The great-five single and three double ox teams, and one horse est curiosity in this department was a coop of Tur-team. The land plowed was very light and sandy, youngsters into the world, he very kindly takes the whip and of the voice charge of the little ones, and sets his helpmeets at work laying another batch of eggs. Twice he has ture bp P. B. Johnson of Albany. done this, and once he has gone even further than this—he has actually set upon the eggs, and increased the census of turkeydom by his own efforts. If the question of "Woman's Rights" has ever been venerable patriarch must be held in high esteem by the friends of this reform. I am glad the commit- Wm. P. Blodgett as Chief Marshal. The display years escape the perils of Thanksgiving.

Providence, exhibited a sow, four months old, quite thirty-six entries, and the list embraced some very a pretty creature, with black neck and shoulders, the fine horses. The Black Hawk and Morgan Breeds rest of the body being white; Adams Carpenter, of predominated. They were not, however, all on the North Providence, a fine Suffolk sow, fifteen months track this morning in the cavalcade. old, and second to no other on the field; J. A. Chedell, of Barrington, exhibited an imported sow from Callao, with a family by her side. She was quite a neat looking animal: Orray Taft, of Providence, ex-hibition of Stallions, the premiums for which varied hibited an imported Suffolk boar, seven months old. from \$10 to \$200. As I before remarked, there He gives promise of making a fine animal; James A. Potter, of Providence, showed a group of broth-nearly that number appeared before the judges, ers and sisters, three months old, averaging 175 some led by grooms, some in trotting gigs and bug-pounds weight each. They were fine animals. Mr. gies, and others under the saddle. Any one who Wm. Nickle, of Pawtucket, exhibited a Suffolk sow, with a family of eight little ones, whose neat and of enjoyment in witnessing the noble animals here thrifty appearance bore good evidence of the excel-exhibited. lent qualities of their maternal ancestor. Taken as a whole, the exhibition of swine, though small, was

the pens, and many of them were fine looking ones; but the names of the owners, the age and breed of Durham short horns predominated. We noticed one or two Ayrshires of more than medium excel-The exhibition is held at the Washington Trotting lence. Of working oxen the exhibition was not Park, which is well adapted for that purpose. Seats large. The cattle exhibited were in good condition, splendid animal.

The display of voung stock was not large. One &c., in their pens and coops, ready to receive their or two bull-calves gave promise of making fine anivisiters. The poultry coops first came under our mals. The display of sheep was small, and not of

keys, to which there is a story attached which I and so dry that the dust made by the turning of will relate. They were owned by J. A. Chedel, of the furrows was a great annoyance. The work was Barrington, and the story is, that the "gobbler" has done tolerably well, though it did not come up to himself raised two broods of young turkeys. His the exhibitions in plowing by many of the County mode of family government is this: after his better societies in the Old Bay State. There was too halves have set upon the eggs, and brought the much hurrying of the teams—a too free use of the

The public exercises of this day closed with a lec-

Second Day.

Providence, Sept. 12, P. M.

The public exhibition of the society to-day comagitated among the feathered tribes, certainly this menced with a grand cavalcade of all the horses entered, at ten o'clock, under the direction of Col. tee awarded him a prize of \$5. May he for many was a most brilliant one. The line of horses and carriages extended about once and a-half around the track which is a mile in length. The cavalcade The swine came next. The number was not large, track which is a mile in length. The cavalcade but the quality was good. Chas. H. Hall, of North was led off by the stallions, of which there are

EXHIBITION OF STALLIONS.

Immediately following the cavaleade was the exwere thirty-six animals entered in this class, and has any love for fine horses would have had his fill

EXHIBITION OF BREEDING MARES.

In this department there were thirty-three entries. I have not at present access to the entry books, and We next come to the exhibition of cattle. And as the marcs are designated only by numbers, it is here we must mention one deficiency in the arrange-impossible for me to speak of them only in general ments for the exhibition, which renders it impossiterms. Taken as a whole, they made a fine appearable for us to mention in detail the cattle which are lance. A few of them were superior. One fine anireally worthy of special notice. The cattle were in imal exhibited was owned by Tristam Burgess.—

mile in three minutes, easy. She had four colts on third heat in 2.48, thereby winning the first prethe ground, the eldest four years old. The Commit-mium of \$200. Stranger took the second prize of tee to award premiums on this class will have to ex- \$100. Those who are much better acquainted with ercise a nice discrimination in the discharge of their horse-racing than I am, say this was one of the best duties.

EXHIBITION OF FILLIES.

At half-past one the exhibition of Fillies took place. There are but nine entered. They were generally fine animals, and give promise of making good horses. Two of them attracted particular attention. They were out of the mare of Mr. Burgess, noticed above, by "Matchless." They were ica, beat all his competitors. faultless in appearance.

As I close at half-past two, the track is being cleared for the grand trial of speed for horses that never trotted for money—the owners to drive, and people of Rhode Island. The rules of the Society to be persons who have never driven for money. The first premium is \$200; the second \$100. Mile admirably enforced by the Chief Marshal, Col. heats in harness; best three in five. There are Blodgett, and his efficient aids. There is hardly thirteen entries for those purses. a prospect that the contest will be closed before dark.

The attendance of spectators to-day is much larger than it was vesterday. The arrangements have been carried out in the most satisfactory manner by the Chief Marshal and his aids, and there has been neither accident nor disturbance to mar the enjoyment of the day. The music of the American Brass Band has been highly appreciated by the large assemblage. The weather has been very hot, and the dust outside the park almost suffocating. A shower during the night would be a great blessing.

The entries of horses up to noon to-day were as follows: Stallions, 36; breeding mares, 33; draft horses, 25; fillies, 9; family horses and roadsters, 103; matched horses, pairs, 38; fancy matched horses, pairs 8; ponies, 11.

Providence, Sept. 13.

When I closed my dispatch yesterday, the marshals were clearing the track for a grand trial of speed between horses which had never before trotted for money. There were thirteen horses entered for this trial, but only nine of them appeared on the track at the call of the Judges—who were Messrs. Wm. H. Gardner, of Providence, Col. Thomas Adams of Roxbury, Mass., and William D. Lewis of Philadelphia. At the time of the horses appearing on the track, the grounds in the vicinity of the stand presented a very fine appearance. There were not less than 4500 people on the ground and on the seats erected by the Society, and of this number one-fourth at least were ladies—who just what we want to say. One of the wealthiest seemed to take a deep interest in the race. The merchants of New York city tells us how he comhorses which started were as follows:

Uneas,	entered	and driven	by S. Woodbury, Providence.
Bird,	6.6	4.6	Á. C. Barnes,
Genesee,	"		A. Livingston, N. Y.
Young Americ	a, "	"	H. T. Sisson, Providence.
Stranger,		"	William Barnet, Jr., Boston.
Sam,	6.6	6.6	L. Baker.
Messenger,	66	66	D. S. Dickerman.
Ned Lawrence	. "	64	H. C. Belden.
Susan Kenned	Ý. "	44	William Cunliffe.

yards behind, and were distanced. The time was marks attracted their attention; and in the end I Stranger, the other horses retiring from the track. lar at a very low pay, scarcely enough to keep body

She is nineteen years old, and it is said can go her leaving his contestant about a length, and on the contested races they have ever seen. The ease with which Genesee did his work excited the admiration

> After this race was decided, there was some fine trotting by several of the horses, which were distanced on the first heat. The sport was kept up till a late hour. Mr. Sisson's horse, Young Amer-

In all the crowd yesterday I did not see a drunken man, or an ungentlemanly act. This certainly speaks well for the good order and modesty of the are well calculated to preserve order, and they are

EXHIBITION OF THE HORTICULTURAL SOCIETY.

The tenth annual exhibition of the Rhode Island Horticultural Society commenced in this city yesterday, and continues until nine o'clock this evening. It is held in Westminster Hall, a splendid room, well suited for such a purpose. The exhibition is pronounced to be the finest ever held by the Society, and shows that the interest which has within the few past years been excited in the culture of fruit in Providence and its vicinity, as well as in more distant parts of the State, is well kept up. It was quite an agreeable change, after being on the Park during the whole day, almost roasted by the sun and suffocated by dust, to go into this beautiful hall, filled as it was with the choicest offerings of Flora and Pomona, and with those still choicer and more lovely daughters of Rhode Island, whose beauty and accomplishments formed the chief attractions of the occasion. I had before heard an enthusiastic Rhode Islander boasting of the beauty and loveliness of the daughters of his native State. After the display I witnessed last evening, I shall not contest the point with him.

HOW TO COMMENCE BUSINESS.

Well, boys, we doubt not that you would like to rise high in the world, and become good farmers, merchants, &c. Here is a good motto for you-Begin at the lowest round on the ladder and keep climbing; and here is a story which will illustrate menced business. He says :-

I entered a store and asked if a clerk was not wanted. "No," in a rough tone, was the answer, all being too busy to bother with me-when I reflected that if they did not want a clerk, they might want a laborer; but I was dressed too fine for that. I went to my lodgings, put on a rough garb, and the next day went into the same store and demand if they did not want a porter, and again "No, sir," After one false start the horses got off in good was the response—when I exclaimed, in despair style, Genesee taking the lead and maintaining it handsomely to the close. Stranger followed him closely, but the rest were more than a hundred I want to be useful, in business." These last re-2.48. The contest now was between Genesee and was hired as a laborer in the basement and subcel-Genesee came home on the second heat in 2.47, and soul together. In the basement and subcellar

I soon attracted the attention of the counting-house and chief clerk. I saved enough for my employers in little things wasted to pay my wages ten times over, and they soon found it out. I did not let any person about commit petty larcenies, without remon- at his gardens, trees, fences and means of manuring strance and threats of exposure, and real exposure and irrigation, and of his manner of cultivation. if remonstrance would not do. I did not ask for any ten hour law. If I was wanted at 3 A. M., I never growled, but told everybody to go home, "and I will see everything right." I loaded off at daybreak packages for the morning boats, or carried tends into the sea in a south-easterly direction, is them myself. In short, I soon became indispen-quite narrow-not over half a mile in width, we sable to my employers, and I rose, and rose, until I became head of the house, with money enough, as you see, to give me any luxury or any position a mercantile man may desire for himself and children in this great city.

For the New England Farmer.

THE PLUM.

have appeared in agricultural papers from various time as bare of soil as the rocks which stand at the localities within a few years, and many methods of base of the banks and receive the first shock of the destroying the curculio or preventing their ravages, have been suggested. In many instances, the whole product of the trees drop prematurely, and flowering profusely in spring is no certain indication of fierce winds and salt water, it may well be contion of an abundant harvest. In this immediate viceived that vegetation would be slow, meagre, and cinity the plum has been nearly as productive as any other kind of fruit. For several years the curculio has not attacked them so generally, and many trees are now laden with fruit so as to require and made the almost barren rock to blossom as the propping in order to prevent breaking down. The rose! Fields of corn and waving grain, trees of vagreatest obstacle in growing the fruit here is the rotting on the tree before ripening; this is the case with the Washington, Imperial Gage, and some others; many kinds are not affected in this way.

one shoot from a scion, which I set a few years since, which grew six feet six inches in one season; five feet is not an uncommon growth. The plum should be grafted as early as the season will admit. although it will succeed much later than the cherry, isolated position he had the grand and imposing elmiddle of May which grew readily: the first part of April is perhaps the most proper time however .-The wild species, which grows abundantly in New York, and many other places, makes a good stock on which to engraft the finer varieties. There are many of these trees in this region which have been obtained from other places; they seldom produce any fruit here, and when they do, it is nearly worthless. I have grafted many of them which yield an abundance of fruit of superior varieties. The beach plum, which is found on the set-shore of this State in various places, grows vigorously in the midst of drifting sand and the spray of the ocean, it has been said, will not succeed in the interior; it has occurred to me that applying salt in proper quantity might prove a remedy. O. V. Hills.

Leominster, 1855.

Remarks.—There is a single specimen of the beach or sand plum, Prunus maratima, near our residence at Concord, which grows vigorously, but is visited so much by children that no fruit ripens if it sets.

A MORNING AT NAHANT.

A few days since, upon the invitation of Mr. Tu-DOR, we passed the morning at his place, and looked

NAHANT is on the edge of Boston harbor, six or eight miles from the city, and connected with the main land at Lvnn by a mere sand-beach. It exshould think, where Mr. Tudor's cultivated grounds are situated-and receiving the full sweep of the easterly winds, which carry the salt spray half way to the opposite shore. The soil, generally, is thin, and rocks protrude everywhere. On the easterly side they stand in their naked majesty, where they have stood and breasted the battling waves through many decades of passing time. The promontory is Many accounts of the failure of the plum erop rock-bound at every point, and probably was at some ever-returning waters.

> In such a poverty of soil, and with such visitations ceived that vegetation would be slow, meagre, and of the hardiest kind. Yet, in such a place, Science and Industry have triumphed over every obstacle, rious climes, fruits, flowers, shrubbery and rich lawns, now meet the eye, where only desolation held sway but a few years ago.

Mr. Tudor found that trees, even those of a har-The plum is readily propagated by grafting or budding, and makes a rapid growth. I measured dy character, would not grow, or scarcely live, swept, twisted, and coated by the salt carried in the sea vapor upon the powerful ocean winds, and he set himself to work to protect them. In this I have sometimes put in scions from the first to the ements of nature around him; Neptune held his trident upon the rocks and upon the sounding sea; but nearer the hearth-stone he wanted other deities, Flora and Pomona,

"And wood-nymphs decked with daisies trim."

These he found could not be had without an amelioration of the climate. Cold winds, surcharged with acrid salts, must be kept out, while soft suns and gentle airs must be admitted to the plants. In order to effect this, he resorted to an expedient, perhaps never before employed, and one which has so far changed the climate of the locality, as to enable him to rear tender plants and produce fruits, scarcely attainable in sheltered spots several miles in the interior, or one or two degrees further south.

Around one garden he has erected fences from ten to twenty feet in height, made of common laths nailed to strong cross-pieces, and leaving interstices about two inches in width between them. Around another garden the fence is brick, the

brick being made of only half the usual thickness; its value as a luxury, not being appreciated. the first five or six feet in height of the fence is 1834, Mr. Tudor commenced realizing a profit close, and the upper portion full of holes about two from the business, but two years earlier he shipped inches square. These fences so break and sift the from Boston 4,352 tons. winds as to deprive them of all power either of straining the trees, or of conveying the salt vapors what industry and perseverance may accomplish, esto their foliage. At the same time the tempera- pecially when aided by the application of science. ture is so changed, that several degrees of differ- The pleasure of our visit was increased by the presence in the heat and cold may be noticed between ence of His Excellency the Governor of the Comthe inside and outside of the enclosure. Frost pen-monwealth, whose own grounds we had previously etrates three or four times as low into the ground visited, and found stocked with some nine or ten outside as it does inside. In a cold day, there is a hundred fruit trees, and embracing most of the best genial, summer-like atmosphere in the garden, fruits produced in our climate. The day, thus spent, when out of it, November winds may howl along the was a most agreeable and profitable one. Mr. Tucoast with icy breath.

succeeded in clothing the surface with rich varieties of plants, and giving all that part of the promontory a most attractive appearance. Pear trees, only transplanted four years, were above the highest fences, and loaded with fruit. There we saw several of the Northern Spy apple trees fruited in perfection, tender raspberries, and nearly all fruits found in our best gardens. In all, Mr. Tudor has set ten thousand trees among the rocks and on the the thinkers, inventors, authors, and those who have handful of soil which he could come at where he domestic or other troubles pressing on the brain; desired to plant; so that now the strong currents in fact all who are not of mere animal construction being broken and evaporation in a measure retard-and of redundant health, are subject more or less to ed, vegetation will spring into life spontaneously, and trees of a less hardy character than those he the labor and cares of the day. It becomes a discommenced with will succeed. He has given a new aspect to the scenery, and a new health to the place. in the boots" of the inebriate. Thousands who throng there for gay dissipation or for the invigorating breezes from the sea, are grateful for the shade of his trees, and for the rich land- after hopelessly trusting it will proclaim the apscape which is so admirably contrasted with the exproach of day, hearing him bluntly tell all he knows panse of water and the rough rocks which line the by striking twelve? Then, the melancholy hours shores, or still lift their heads in the cultivated grounds. So Science and Industry have covered the extreme, and disorder the whole vitality of the desolation with beauty, and crowned the efforts of animal machine. their votary with Success! His noble example is widely felt, and other cultivators take the hint from mind and induce the lethean forgetfulness of sleep. his operations, and break the wind from their gardens by means of shrubbery or of fences, and thus calling over the names of acquaintances, or the counare enabled to rear plants which it would otherwise ties in the State, &c. The most effective course is be impossible to do, and this will be the means of to jump out of bed and commence walking in the introducing earlier and a greater variety of fruits, throughout New England.

shipped the first cargo of ice ever exported from the brooding nightmare of wakefulness is driven to this country, in the year 1805. It was shipped to the land of Nod, and forgetfulness and refreshing the West Indies, and he went with it. The enterprise was not a profitable one, there being no suit- ly exposed; the most delicate constitution may run

Mr. Tudor's efforts are a practical illustration of dor has proved a public benefactor in several ways, Under this change of temperature Mr. Tudor has and while he has our hearty commendations, we are confident he has those of the public at large.

WAKEFULNESS---CAUSE AND REM-EDY.

Editor of the Rural:—Many persons of nervous temperament,—hypochondriaes with uneasy stomachs, from the use of too much rich and highly-seasoned food, knick-nacks, or tea and coffee,wakefulness, and a difficulty of obtaining that repose necessary to reinvigorate the system, after ease, and sometimes as distressing as "the snakes

What is more tedious and enervating than the difficulty of procuring sleep, or of waking and waiting for the sonorous bell of the clerk of time, and passed in solitude and thick-coming thoughts of real or anticipated troubles and cares, are painful is

Many devices have been suggested to be wilder the Counting up to hundreds—multplying two or more numbers in the mind and obtaining the resultdark, exercising your judgment in avoiding and in finding objects about the room, taking no heed what the matter is; its effect is to break the chain of Mr. Tudor has distinguished himself no less in thought — dispel vapors — equalize the circulation another branch of industry, than by his horticultubed, being a non-conductor, cannot do. The antagral skill. He was the first person to introduce a business which now employs some seven or eight to the nervous system, acting like a cold bath, which million dollars of capital, and for which he was it is, only air instead of water. On getting into bed laughed at by all the doubters in the land. He a pleasant glow is felt, and in nine cases out of ten

No one can take cold when every part is equalable places to store it, and its efficacy in sickness, or naked a mile in the greatest rain or snow storm

and if they do not freeze, no ill effects will follow, and this is why no definite rules can be laid down It is partial exposure that deranges the system and for its development. The position, extent and surcreates the colds, lung complaints and rheumatisms face of the ground, must in all cases suggest the of life. Baptism by immersion is a case in point style of embellishment. and the thousand accidents by flood and storm; while a spoonful of water in the shoe, or damp feet, avenues, embankments and trees around a house or sitting by a cracked window-light, gives a cold greatly enhances the satisfaction of its owner, never that costs life. The only precaution is to keep mo-seems to enter the mind of some who go to much ving; exercise and motion and a will, can carry the expense on their estate. If you make suggestions person safely through almost any exposure.

-gratis.—Rural New-Yorker.

For the New England Farmer.

TASTE IN RURAL AFFAIRS.

makes it his home throughout the year, he should Pig-pens, hen-coops and dog-houses are set near take an interest in a garden, especially a fruit-gar-the dwelling, in definee of all arrangement, for the Flowers and vegetables are transient; they cannot in their nature excite that interest that new the entire gardens of such tasteless individuals the and rare kinds of fruit trees do when coming into "law of disorder" reigns supreme. bearing. In a fruit-garden or orchard, every addi-

step we take, new objects arise, and the vision perpetually changes. Spring and autumn present view. This is leaving a "mark in the world" which marked contrasts, and summer and winter possess hardly a shade of resemblance. But to the lover of west Medford, Sept., 1855. nature they differ but little in interest and beauty, as his heart recognizes their necessity, and his eye surveys them with veneration.

In proportion to our knowledge of and taste in horticulture is our pleasure. An acquaintance with its kindred sciences-chemistry, geology and miner-Elms, the Tulip tree and the Alantus, look finely certainly less than there was reason to apprehend. together, when trees are not required to be Although there have been more numerous rains, matched or planted in couples, for some particular since the first of April, than in most seasous—still effect, for instance, in forming a vista; and even I do not remember the season, when the quantity there is no vocation in which so great a variety of is, the springs are very low indeed. taste can be displayed as the landscape gardener's; Sept. 10, 1855.

But the idea that taste in the arrangement of the of improvement, they will perhaps think them "first-It is a simple experiment, and the fees for advice rate," and wish they had adopted them. They seem to be devoid of any kind of taste upon this subject, yet admire what others can do. They appear to look to profit; but profit is not necessarily opposed to good taste. If they wish to set out a particular tree, they put it where there is the most room to To render the country tolerable to a resident who spare, regardless of its effect on the landscape. sake of having their "handy." And throughout

The villages of the present day are of a different tional year gives to it some new phase or lends to it character from those which our forefathers founded, some new enchantment or value. And besides the and in which they lived and flourished. In the anticipated pleasures which are awakened from year primitive times of New England, a grist-mill situato year, there is the real substantial delight of gath-ted on a stream in some valley, furnished the nuering and eating fruit from your own trees, ren-cleus of many a flourishing village, and little or no dered dear to you from the care which you have regard was paid to embellishment. Instead of bestowed upon them. These pleasures are among planting trees, the mission of the people seemed to the purest and most enduring known to civilization, be to cut them down. But villages now are spread To a man of sense and reflection, the real poetry over the broad swells and extended plains, and of life is in the country. The monotony of city where the proud forest trees were once laid low by life is proverbial. Brick and stone, human faces the axe of the pioneer, the hand of taste seeks to and merchandise, is the sum of all that can be seen. reinstate them. Since New England has become Public trees are rare, and private ones tremble lest populous and thriving, we covet retirement away the invigorating sun another season shall be forey-er shut out, or the speculator's axe laid at their roots. The seasons, too, present but little change, ruts of the road, with a cherry tree and lilach bush as everything is artificial. But the country exhib-between, we place them remote from noise and its an infinite variety of landscape, and at every dust, and by a discriminating arrangement of flow-

For the New England Farmer.

THE DROUGHT.

It is a common thing to hear it said, "I never alogy - adds great interest to the subject. The knew it so dry before." This was often heard in the tasteful gardener not only wishes to make his garden season of 1854. Whether it has been heard the yield well, but he seeks to arrange his avenues and present, I will not say—but this I can say, that I plant his trees in accordance with economy and have not known the time when it could be uttered landscape beauty. A variety of soil is fitted for a with more propriety. Vegetables that were grow-variety of trees. Some need a strong soil, others ing luxuriantly on the first of the month, are now will flourish on a light. The Williams apple and shrivelled and fallen-I fear to rise no more. Corn the Roxbury Russet, for instance, require the for-that had not then attained its growth, is now hesitamer; the latter will answer for peach trees, and for ting to fill out. The only thing that gives indications of some apple trees, among which is the Baldwin. So improved condition is the potato—this is better than also in planting forest trees, a contrast in folinge was feared—the rot is stayed or not gone ahead.—and shape is pleasing to the eye. The Abele near Whether it was checked by the want of moisture, or a purple-leaved Beech, the European Sycamore with the cold nights that we had, or some other cause, it is then they could be alternated in couples. Perhaps taken together has been so little. The consequence

STUDY OF AGRICULTURE.

of this paper, and shall transfer it to the columns of poteto. I admit, that I have heard it highly exthe monthly Furmer, the advertisement of Prof. tolled by others, who had bought a few for seed, at NASH, in relation to a more thorough pursuit of extravagant prices, and were cultivating them with agriculture in Amherst College, than has yet been a view to get their money back again. How far afforded in New England. It is encouraging to no-such consideration, I have not the means of detertice this movement on the part of the Professor mining. and the College, as a way will now be opened to pursue the subject with success.

The particular attention of our young friend, "B. T. R.," of Newburg, Orange Co., N. Y., is HIGH PRICES OF FLOUR AND GRAIN. called to this advertisement, and the remarks which follow. Prof. Nash says:

we may promise as rich privileges as can be enjoyed anywhere.

Lest there should be a lingering doubt of the readiness of the college to extend its privileges as true, that all the gentlemen connected with its Instruction—the President, Ex-President Hitchcock, and the entire Faculty—are moved by the most liberal views in this matter. With no relaxation in the field of Classical and General Literature, they deem that the facilities of the Institution for diffusing useful science may be extended to young men, who wish to attend for a less time than four years, perhaps but a few months; and they are sincerely desirous of so extending them; and accordingly have made such arrangements that the student of twelve, six, or even three months' attendance, may enjoy as rich privileges for the time, as those who prosecute a four years' course."

For the New England Farmer.

"STATE OF MAINE POTATO."

among us.

tion. I know that what he then said about this apple is a mistake. I therefore have less confidence We have inserted in the appropriate department in his high-wrought encomiums of this variety of your Newton correspondent may be swaved by any South Danvers.

Sept. 15, 1855.

For the New England Farmer.

Mr. Editor:—In some of the papers I have noticed of late movements by the citizens for supply-"The young men will have access to the college ing themselves with the necessaries of life, by comlibrary and eabinets, the latter of which will be of binations in purchasing. This movement appears great value to them, as also to several able and to me as one worthy of all commendation, and easily most valuable courses of lectures. It is our pur- adopted by mechanics very generally, as well as by pose to attend these lectures with them, to bring to others. If there is any truth in the different newsthe recitation room the scientific facts there demon-paper statements for the past two months, there is strated, to dwell upon them in a way calculated to no good reason—not one—why the article of flour aid the memory in retaining them, and to point out, should command ten or thirteen dollars per barrel. There cannot be any other reason, than that the armore carefully than a rapid lecturer would be likely there cannot be any other reason, than that the art to do, their useful applications. With such aids as ticle is in the hands, and managed by speculators to do, their useful applications. the college offers, we think that, without boasting, and it is easy for the community to see how this is done. It is a most shameful piece of imposition upon the public—more particularly the laboring part to call it by no milder name. With the whole country-according to public accounts-overflowing above stated, we will here say, what we know to be with the staff of life, and to be obliged to pay 10 or 13 dollars a barrel for flour, is an anomaly and an outrageous imposition. I would say to the mechanics and laboring class of the people, combine, let combination meet combination—if this shameful business of speculation in the very essentials of life cannot be stopped in any other way. You have the means of relief partially, if not wholly, in your own hands, and do not fear no use it, even if you gain but little thereby to your purses. Provided this species of crime can be broken up, a great good will be accomplished, not only to yourselves and families, but to the community at large. The Union Stores which have been established throughout the different towns in New England, within the past three years, have been a great benefit to the laboring classes, there cannot be any question about it; thousands and tens of thousands of dollars have been saved to your pockets within the above time, by this class of stores. Why not a community, or a Mr. Editor: -I am happy to find an endorser town, supply themselves, on the same principle, with for the State of Maine potato, so experienced, as flour and grain? You can do it, and if judiciously your correspondent from "Newton Centre" profess- managed, it is easily accomplished, and with little es to be, having cultivated the present season, as he trouble or expense to yourselves, except for the first says, "not less than seventy-five varieties." This is cost of the articles. In this movement, you would indeed a large experience, demanding much discrimination in the different sorts. He expresses a doubt part of the people. This alone is a great deal. Let whether I have ever seen "the true State of Maine ten, twenty, fifty or a hundred families in a town It may be that I have not. My remark unite and put into a general fund for the purchase was not made so much on my own observation,—as on that of "the best observers"—such as the President of the Massachusetts Horticultural Society, who is not only a discriminating observer, but a this subject is worthy of more attention than it has most reliable man, in all respects-none more so received from this class of our people; if they know their power, they have not used it. "But I say unto If my recollection is right, a few years since, I you fear not," try it, and note results. Even if you saw remarks from the same correspondent, speak- fail in the attempt, it will not be the first time peoing disparagingly of the "Eppes Sweeting," or ple have failed in a good cause, and perhaps some "Danvers Winter Sweet," as unworthy of cultiva- wise and valuable lessons will be learned thereby.

"Be sure you are right—then fear not to go ahead," harvesting of their corn for good reasons: for who and God bless you. N. Q. T.

East Weymouth, Sept. 11th, 1855.

THE FARMER'S LIFE FOR ME.

BY HENETTE.

Wealth may boast her hoarded treasures, l'ride no joy like her's may see, Dissipation vaunt her pleasures, Yet the farmer's life is the life for me-With its freedom blest, From the stern unrest Of the crowded marts of life, With its rosy health, What a mine of wealth! With its quiet unmarred by strife.

Toil it hath, yet with it there is Sunlight of a willing mind. And the farmer's home so fair is, None a fairer e'er can find-With its glowing hearth, With its heartfelt mirth, When the winter fire burns bright; O, the farmer's cot Is a cosy spot In a chill December's night.

His are Summer's richest treasures, All her wealth of fruit and flowers, All the intellectual pleasures Of her bright instructive hours,-His the golden gleam Of the sunset beam,

And the mild majestic night; His the first soft ray Of the rising day,

And the dew-drops sheen and bright.

Far from heartless Fashion's empire, Far from Mammon's baunts of sin, From the dens of Dissipation, And the crowded city's din-He may safely rest, O, how truly blest, With the friends he holds most dear-And the great world's poise Cannot mar his joys,

In his calm, secluded sphere. Michigan Farmer.

For the New England Farmer.

HARVESTING CORN.

method by which his corn crops may be secured in that they receive no indentations or bruises. the best manner and to the best advantage, I might not come amiss, and be acceptable too.

ous ways pursued by farmers in harvesting this, his They should then be thoroughly dried, placed in most important erop; some take one way and some barrels by hand, and shipped. Apples so treated, another, and therefore it would be well to adopt if they arrive at their port of destination before the the best plan both as regards the grain and the sto-third sweating takes place, will be in perfect order; ver.

In a communication in your paper of August 25, it will cause the whole to decay or partially decay, a writer, who signs himself "E. C. P.," says, "all on ship-board. This third sweating usually occurs good farmers will cut up their corn directly after it in about six weeks after the second sweating. For is out of the milk, and 'stock it' to dry; then, after home consumption, apples should be taken from the a reasonable time will husk it and put the stover tree as late as the weather will permit, and should away in the barn, where his stock in the winter will be placed in the final place for winter keeping, at prefer it to the best English hay." Now with all once. If put on the north side of a house with due deference to his opinion, I must say that all board covering, and suffered to remain until the cold

does not know that corn so treated would result in the shrivelling of the grain in a great degree, and eonsequently in the loss of its vitality? If "E. C. P." should cut up his popping corn in the manner he speaks of, I rather think that the portion of his corn that would "pop" would be small indeed, because it would be deficient in that oleaginous substance he so highly extols—the nutritive matter that forms the "unleavened bread."

The best way for farmers to manage their corn, which is usually done by the most of them, is, about the second week in September, when the tassels are dry and erumpy, to cut off the tops, and lay them in the hills so they will not touch the ground, then after having dried one or two days, tie them up in small bundles, and stand them up firmly against the corn and let them stand for a number of days if the weather will permit, and then put away in the barn. The tops of corn secured in this way makes good feed for eows in the winter, and is no small item in their keeping. Although it is valuable for the purpose of feeding stock, it will not do for the sake of the stover to sacrifice the corn, as no farmer will do that, unless he goes on the principle of "robbing Peter to pay Paul." Every one that raises corn, will of course, secure it as he can best, and as shall result in the best good of the whole. J. Underwood.

APPLES---WINTER KEEPING, ETC.

Lexington, Mass., 1855.

Prof. J. J. Mapes: — Sir,—A constant and interested reader of the Working Farmer would be pleased to see appear in the columns of the September number, if possible, an article upon the Sweating of Apples, describing the process, &c. Also the best method of packing fruit for shipping. J. C. K.

Truly yours, Dunstable, August 9th, 1855.

In reply to the above we would state, that the finer class of fruit should be gathered by hand, and so placed in barrels, and not poured from a basket, as every apple slightly indented will be sure to deeay. When apples are intended for shipment, another process seems necessary.

Apples contain a large amount of water, part of which should be got rid of, when intended for ship-Mr. Entror :—As the time is close at hand for ment, and this may be done without any alteration the farmer to be devising and adopting the best in the figure or appearance of the apple, provided

They must be placed in heaps, when a slight thought a few words written upon the subject sweating will occur, which will cause a portion of the water to exude to their surfaces and dry off. It is well known that there are many and vari- After a short time a second sweating will occur. but if a single apple in a barrel be dented or bruised, good farmers will not pursue such a course in the becomes very severe, they may then be moved in

tended to be kept; and if in barrels, these should be when they had learned the art of making it, they kept as dark as possible. Some have packed apples employed it only as an ointment in their baths, and in charcoal dust, others in alternate layers, with particularly as a medicine. It is never mentioned straw and a layer of earth, in the same manner as by Galen and others as food, though they have for potatoes. Some place them in cold, dry cellars, spoken of it as applicable to other purposes. No in heaps, covered with straw; but all these methods, notice is taken of it by Apicius, nor is there anywhile they may sometimes succeed, invariably ab-thing said in that respect by the authors who treat stract so much of the flavor from the apples as to on agriculture, though they have given accurate inlessen their real value. The same mistake is often formation regarding milk, cheese, and oil. This made in packing grapes in cotton—and while they may be easily accounted for by the fact, that the maintain their figure and look well, the aroma is ancients were entirely accustomed to the use of abstracted and absorbed by the cotton.

the most dependable. - Working Farmer.

For the New England Farmer.

POTATO CROP.

Mr. Editor:—In your paper of September 1st appears an article from one who signs himself "South Danvers," bearing the title that I have selected. He says, "of the new varieties of potatoes that have been tried in this vicinity, the present season, there is none so highly praised as Davis' Seedling; side by side with other varieties this es- or Khang-hi, the following passage occurs capes disease entirely. Some pretend to erack up the 'State of Maine' potato—but the best observers say it is a miserable concern—entirely unworthy of regard."

serving of extensive cultivation—very productive, me. The grain was very fine and full, and I was hardy, and a good-flavored sort. In regard to what he has to say about the *State of Maine*, the reverse whether it would retain, on the following year, this is eminently true; the statement he has made is calculated to mislead the public in respect to this splennot less than seventy-five varieties. It is not sur- to have procured this advantage for my people." passed even by the famous Carter potato, which has Huc's Chinese Empire. such a high reputation, and if your correspondent will produce a potato equal to the State of Maine in every respect, I will send him as many potatoes as mon rice, of perpetual irrigation; and that it is not he will use for five years. It is not liable to rot, hav- the fault of the missionaries if it has not long since ing never found but few rotten potatoes among been acclimated in France. that sort. I am inclined to think that "South Danvers" has never seen the true State of Maine potato, or is radically mistaken in regard to it. James F. C. Hyde.

Newton Centre, Sept. 6, 1855.

The History of Butter.—From the various statements in history, it may be safely concluded that the discovery of butter is attributable neither to the Greeks nor Romans, but that the former were made acquainted with it by the Scythians, Thracians, and Prygians, and the latter by the peo-land.

dry, clear weather, and placed where they are in- ple of Germany. It appears, says Beckman, that good oil. In like manner, butter is very little em-The plan given above for preparing apples for ploved at the present day in Italy, Spain, Portugal, shipping, first made public by R. L. Pell, Esq., is and the southern parts of France, but is sold in the apothecaries' shops for medical purposes. During the ages of paganism butter appears to have been very scarce in Norway; mention is made by historians of a present of butter so large that a man could not carry it, and which was considered a very respectable gift.—Farmer's Magazine.

For the New England Farmer.

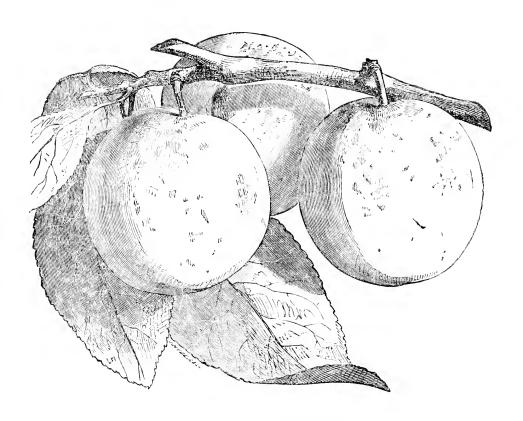
CONSOLATION FIT FOR AN EMPEROR.

In the memoirs written by the celebrated Emper-

"I was walking on the first day of the sixth moon, in some fields where rice was sown, which was not expected to yield its harvest till the ninth. happened to notice a rice plant that had already Now I agree with him exactly in what he says of come into ear. It rose above all the rest, and was the Davis' Seedling; it is a very fine variety, dealered are already ripe. I had it gathered and brought to whether it would retain, on the following year, this precocity, and in fact it did. All the plants that proceeded from it, came into ear before the ordinadid variety of potato. It is, in the first place, very ry time, and yielded their harvest in the sixth moon. productive, yielding this year a bushel of handsome Every year has multiplied the product of the prepotatoes from eighteen hills; it is early, being near-ceding, and now for thirty years it has been the ly as early as the White Chenango, which is the rice served on my table. The grain is long and of favorite early sort of the market gardeners; it is rather a reddish color, but of a sweet perfume and very handsome, being perfectly white outside and very pleasant flavor. It has been named Ya-mi, or inside; as for its cating qualites, it is unsurpassed "Imperial rice," because it was in my gardens that by any variety that I am acquainted with, and I it was first cultivated. It is the only kind that can think I may, without boasting, lay claim to some ripen north of the great wall, where the cold begins knowledge of potatoes, having for some years felt a very early and ends very late; but in the province, great interest in the potato, and planting every of the South, where the climate is milder, and the named sort that I could get, besides raising a great soil more fertile, it is easy to obtain two harvests a many from seed, so that my list numbers, this year, year from it. And it is a sweet consolation to me,

Hue remarks, that this species of rice succeeds admirably in dry climates, and has no need, like com-

Apples, Pears and Plums.—Our acknowledgments are due Mr. WILLIAM WHEELER, of Acton, for a basket of fine Porter apples, and another of Bartlett pears; to E. W. Bull, Esq., of Concord, for fine specimens of the Washington Red Gage, and other plums, and to his Excellency Gov. GARD-NER, for a liberal basket of the Tyson pear, grown upon the first tree producing that fruit in New Eng-



THE WASHINGTON PLUM.

by Mr. John N. Hyde, a young artist of great all the European collections.

The Washington has remarkably large, broad. beautiful specimens of the skill of our artists.

The description of the plum we give from Down-

general estimation in this country, than any other low with a pale crimson blush or dots. Stalk searceplum. Although not equal to the Green Gage, and ly three-fourths of an inch long, a little downy, set two or three others, in high flavor, yet its great in a shallow, wide hollow. Flesh yellow, firm, very size, its beauty, and the vigor and hardiness of the tree, are qualities which have brought this noble Stone pointed at each end. Ripens from about the fruit into notice everywhere. The parent tree grew middle to the last of August. originally on Delancey's farm, on the east side of

We give above a most faithful representation of the Bowery, New York, but being grafted with anthis excellent plum. The fruit represented grew in other sort, escaped notice, until a sucker from it, this excellent plum. The fruit represented grew in the grounds of E. W. Bull, Esq., of Concord, the originator of the celebrated "Concord Grape." It attacted universal attention by the remarkable beauis part of a branch containing five plums within the tv and size of the fruit. In 1821, this sort was first space of six inches, and weighing 11½ ounces, or sent to the Horticultural Society of London, by the nearly 2½ ounces each. The drawing was designed late Dr. Hosaek, and it now ranks as first in nearly

promise, and the engraving executed by Messrs. erumpled and glossy foliage, is a strong grower, and SMITH & PEARSON, both parties having their place forms a handsome round head. Like several other of business at 46 Court Street, Boston. The con-varieties of plum, the fruit of this, especially in sannoisseur will find this illustration one of great truth dy soils, does not attain its full perfection until the and beauty, and it is our intention that he shall fre-tree has borne for several years. We have measquently find our columns enriched with similar and once from Mr. Bolmar's original tree, seven ured them very often six inches in circumference, and a quarter inches.

Wood light brown downy. Fruit of the largest size, roundish-oval, with an obscure suture, except near the stalk. Skin dull yellow, with faint mar-The Washington undoubtedly stands higher in blings of green, but when well ripened, deep yelsweet and luscious, separating freely from the stone.

VERMONT STATE AGRICULTURAL FAIR.

Rutland, Vt., Sept. 11—6 A. M.

a beautiful grove of maples, beneath whose grateful men on fashionable promenades. shade Floral and Mechanic Halls have been erected. These halls were improvised for the occasion, being showed a goodly array of useful inventions in the built of rough boards, Floral Hall being very neatly mechanic arts, embracing not only the useful agriculdecorated with evergreens, &c., presenting quite a tural implements, but some fine specimens (mantels rustic appearance. A portion of the cattle pens are tablets, &c.) of Vermont marble, of which there is also included within the shady area. The race- a quarry in the western part of this town; also course, for the exhibition and trial of horses, is a handsome specimens of natural and marbleized slate, little further on, and is half a mile in length. A from West Castleton. The natural slate was disfine gallery, capable of seating a large concourse of played in a variety of forms, such as sinks, boxes, spectators, fronts the course, and affords a fine &c., while the marbleized was wrought into ornaview of the contests of the turf.

entered for exhibition in the equine department, them. I noticed an amusing contrivance attached ninety-two geldings and mares, thirty-one Hamil-to a bedstead, to facilitate early rising. An orditomans, fifty-six Sherman Morgan or Black Hawk nary alarm clock is appended to the headboard, stallions, six Bullrush Morgans, thirty-two Wood- which arouses the sleeper at the appointed hour, bury Morgans, and twenty-three pairs of matched and allows him a few minutes to "open his peepers" horses-total two hundred and sixty-four. Some and get out of bed; but, if he is sluggish and delays of these animals are of almost matchless beauty and this unpleasant operation too long, a secret spring speed. The Black Hawk blood predominates, and is moved, and presto! the astonished sleeper feels if elegance of outline, grace of action and spirited the bed settle sideway under him, and he is rolled movements can make one class of animals favorites incontinently upon the floor! more than another, surely the Black Hawk horses are not undeserving of the partiality shown them. There are, of course, beautiful horses of other of people in attendance on the Fair, and throngs are breeds on the ground, which are dangerous rivals, arriving by every train and by private conveyance. but for myself I must confess to quite a partiality The town wears truly a holiday appearance. The for the light, glossy black steeds of the Black Hawk day is clear, although warm, and nothing interposes

Among the fast horses entered are the "Michito to throng the Fair grounds at an early hour, paying gan Boy," "Flying Morgan," and "St. Lawrence," thenty-five cents for admission, and by noon there whose names are quoted in sporting circles. There were fully four thousand people present. was a good display of trotting horses on the course I have omitted to speak of the display of articles

breeds. All these cattle are fine specimens of Ver-better in articles of taste and elegance. mont breeding and keeping. I have not seen an ill-looking animal among them, while many are very department. A one-horse wagon could contain all superior; and there is good reason for it, for no-the vegetables shown. Of butter, and cheese, also, that bear the palm throughout New England.

Of sheep, there is, of course, a large collection, for of." herds as for her horses. There are on exhibition poor chance at their fairs. The same may be said three pens, containing 25 ewes each of Spanish Me- of the spectators. Almost all flock to the race wool sheep, mostly Leicester and Cotswold; and 28 above departments, however, probably is not owing fine wool sheep of mixed blood. These sheep are to a lack of material, but of interest. It ought not

outwardly a most unlovely looking set of animals, their shaggy coatings being covered with a thick layer of dirt, which gives them a forbidding appearance; but upon separating the matted locks, a soft The exhibition grounds are located on Grove and snowy-white staple is brought to view, which Street, about a quarter of a mile north of the depot. will no doubt some day be transferred from the They comprise about thirty acres, and are admirably back of the poor sheep to adorn, in the form of a calculated for the purpose to which they have been shawl, the person of some fair lady, or, made into devoted. On a portion of the lot near the street is broadcloth, will be sported by "genteel" young

A glance at Mechanics' Hall yesterday afternoon mental tables, mantels, &c. They were quite hand-Up to five o'clock last evening there had been some, but the native marbles, of course, outshone

Rutland, Sept. 12.

To-day there is a great accession to the number to mar the pleasure of the occasion. Visiters began

yesterday afternoon, and the attendance of spec-in Floral Hall, which is devoted to fruit and ornatators was quite large, some fifteen hundred to two mental articles, furnished by the ladies, in the hope thousand being present, many of whom were ladies, that it would fill up with a class of specimens com-Major John S. Dunlap is Marshal of the field, mensurate with the occasion. But I have been dis-Some of the trotting was quite smart, and the ex-appointed. There are but three or four lots of orcitement in this part of the show is fast increasing. dinary fruit, and although the ladies have contri-In the next stock department there have been buted some handsome fancy articles and a few crayentered 19 yokes of working oxen; 9 yokes of ons, most of the articles are scarcely worthy of steers; 6 cows and three bulls of Hereford stock; notice; consisting of daguerreotypes and shop 3 native cows; 5 cows and 2 bulls, Ayrshire; 12 goods. Any of the county shows in Massachusetts cows and 10 bulls, Devon; 6 bulls and nine cows, would be ashamed of such a display of fruit, and Durham; and 28 cows and seven bulls, mixed the ladies "wouldn't begin" unless they could do

I am sadly disappointed, too, in the agricultural where is there better grazing than on the verdant for which Vermont has much celebrity, there were hills of Vermont, while the breeds are the same not more than a dozen specimens of each. I expected to see a sight in these departments to "tell But these Vermonters think so much of Vermont is almost as celebrated for her flocks and horses, sheep and cattle, that other things stand a rino stock, besides 32 bucks and 118 ewes and course to see the horses, scarcely deigning to look lambs of the same breed; 17 bucks and 78 ewes at the cattle or sheep, although Floral and Mechanand lambs of the French Merino variety; 81 long ics' Halls have a few visitors. The paucity of the as good vegetables, and has as good dairies as any well represented. State in the Union.

I noticed in the sheep department this morning a fine lot of French merinos, exhibited by A. L. Bingham, of West Cornwall, Vt. There were about seventy of them, bucks, ewes and lambs, and as fine tainty whether barley grows wild in the Old World; stock as one would wish to see. Some of the bucks and if so, in what region this occurs. Even the to five inches long, and a beautiful staple.

of people were in attendance, and the scene was a the use of wheat bread that they fed this grain to gay one, truly inspiriting to the lovers of equine their stock, as is practiced by the Spaniards and ground, and their good points set off to the best of a warm climate, as it is known to be the most advantage. Just before the committees took their productive in a mild season; still its flexibility is endon, aged one hundred and one years, rode over at an elevation of from 10,000 to 13,000 feet above tily cheered by the spectators.

An exciting incident occurred during the ex- as 72°. hibition upon the track of all the horses entered. It The introduction of barley into the North Ameriseems the owner of one of the horses which was can colonies may be traced back to the periods of in front of which was a great crowd of men and fitable and increased production of tobacco. women, scattering them in every direction. Directly in front of the stand the runaway came in con- Netherland as early as the year 1626, as samples of taet with Mr. Maynard's carriage, overturning it the barvest of that year, raised by the colonists of instantly. Mr. Maynard was thrown out and barely Manhattan Island, were sent to Holland, with other escaped being trampled under foot by the now fran-grains, as an evidence of their prosperity, tic animal. The horse was then caught, but another According to the records of the "Gove horse was "making tracks" on his own responsibility. Company of the Massachusetts Bay in New Eng-Attached to Mr. Maynard's carriage was the beautiland, barley was introduced into that colony in 1629. ful Black Hawk, which has attracted so much admi- In 1633 good crops were raised in Lynn. ration, during the Fair, and which is owned and kept by Mr. M., in Lowell, Mass. On this occasion of Rhode Island was barley, considerable quantities he was driven by Mr. Crandall, of Brattleboro, who of which were raised. clung to the reins manfully, and was dragged sevepost, and was almost entirely demolished. With sago or rice, after being hulled. the fragments hanging about him, he again ran past the stand, and soon came in contact with another amount of barley raised in the United States, negligence had been left alone by the driver,) and 5,167,015 bushels; showing an increase of 1,005,overturned it—of course starting its horse into a 511 bushels. The amount of the barley crop of run. The Maynard horse was shortly after caught the United States in 1853, may be estimated at by the harness in a fence, and secured, while the 6,590,000 bushels; which at 75 cents per bushel, other was caught by a min who had the boldness would be worth \$4,875,000. to seize him by the bridle as he ran past him. Considering the great crowd upon the ground at the time, it is truly wonderful that many were not severely injured.

to be corrected in future. To make a show attrac-lyear. It will soon be out,—.*Albany .*Irgns.

so to be. Vermont, as everybody knows, can raise tive and profitable, all the departments should be

THE PRODUCTION OF BARLEY.

It is a remarkable fact that we are still in uncerwhich had missed one shearing had wool from two authors of antiquity were at variance as to whence At 9½ o'clock, the horses entered for premium in that time, had been derived. It has been cultivated the different classes were brought on to the field for in Syria and Egypt for more than three thousand inspection by the committees. A large concourse vears, and it was not until after the Romans adopted display. Miny fine animals were trotted on to the Italians at the present day. It is evidently a native stations, the venerable Nathan Lounsbury, of Clar-so remarkable, that it will grow on the Hymalayas the course in a handsome barouche, and was hear-the level of the sea, and mature in favorable seasons and situations on the Eastern Continent as far north

attuched to a gig, entrusted him to the care of an their settlements. It was sown by Gosnold, togeth-Irishman, who being disposed to exhibit his talents er with other English grains, on Martha's Vineas a "whip," struck the nobler animal of the two a yard and the Elizabeth Islands, in 1602, and by the violent blow with his whip. The horse sprang for-colonists of the "London Company," in Virginia, ward, and Pat not being accustomed to trotting in 1611. By the year 1648, it was raised in abungigs, lost his balance and fell backward to the dance in that colony; but soon after its culture, was ground. The horse ran directly towards the stand, suffered to decline in consequence of the more pro-

Barley appears to have been cultivated in New

According to the records of the "Governor and

In 1796 the chief agricultural product of the isle

Barley has never been cultivated much in the ral rods upon his back, when he was obliged to United States, nor has it entered extensively into relinquish his hold. The horse then ran across the our foreign commerce, as we have been consumers field, knocking down and running over a man, and rather than producers of this grain. It has been injuring him very severely. He then came upon chiefly employed for malting and distillation, and the track again, when the carriage was eaught by a also in considerable quantities as a substitute for

According to the census returns of 1840, the horse and sulky, (which with the most culpable the year preceding, was 4,161,504 bushels; of 1850,

Broom Corn.—It is a singular omission in the United States census, that it does not give any sta-We take the above account from the Boston tistics of the amount of broom corn raised in the Journal. The reporter uses a free pen in regard country. In our own State hundreds upon hunto some of the departments of the Exhibition dreds of acres are appropriated to the cultivation However, if their deficiencies are plainly pointed of the desirable commodity. Broom corn never out, it may call attention to them, and cause them was stouter, nor a better crop than during the present

NEW HAMPSHIRE STATE FAIR.

Wednesday—First Day.

Agricultural Society commenced to-day, Wednes-The gentleman, we learn, is not satisfied with his day, Sept. 12, at Manchester. The fair is held upon present attainments in the excellence of the manuthe "old rye field" where it has been held on for-facture, but means to make them equal to the Cremer setsons. The same area of ground is en-monas. He is about to establish himself at Conclosed as heretofore. The enclosure presents a fine cord. This is the way with Yankees. appearance. Near the entrance is the business office, and the editor's room—a feature which all gen- and a half o'clock. The area of a large radius was tlemen connected with the Press know full well a sea of humanity, surging to and fro, each wave enhow to appreciate. The room is cool and airy. Amdeavoring to dash up to the stand. Occasionally a ple accommodations are found. A long table well cry from the ladies told how severely they were supplied with stationary, &c. Connected therewith moved about, without the least power of resistance. is a refreshment room, where wholesome and substantial food may be found whenever the reporter is U. S. Minister to Portugal, was then introduced to tired of driving the quill, or when he returns from the assembly by the President, Ex-Governor Bathe field, where the sun pours down its scorehing ker. rays. None better understand the wants of the editorial fraternity than the indefatigable secretary of riculture under the Romans. The present state of the society, James O. Adams, Esq., who is himself agriculture was next spoken of, that it was now a well known as an editor. Suffice it to say, that, being seconded in his affairs by Frederick Smyth, Esq.,
the efficient Treasurer, the facilities for reporting
are most admirable, and are duly appreciated by all
farmers we should be satisfied—even as New Hampthe representatives of the press present.

tents, one devoted to the display of fancy articles, other lands, beautiful lands, that are more inviting; the other to farming implements and the heavy ar- but we have compensation for our hardship. The ticles of manufacture. Other tents are erected one occupied by a representative from the establish- to exert himself-the cold winter which fastens us ment of a cateror well known to the Boston public, to our firesides, developes the best instincts of the J. B. Smith, where the public can find a cup of cof-heart. fee, not to be despised even by an Oriental. In the immediate vicinity are ample accommodations for we need an institution for the benefit of agriculture.

-the great day of the Exhibition.

for horses, of which a large number are already en-agricultural school—a national agricultural bureau. tered; also pens for cattle. The stalls and pens The inhabitants of Manchester were not more interare covered to protect the animals from the intol-ested in manufacture than the farmers of New erable heat. Water carts pass along occasionally, Hampshire in agriculture. He then referred to the and the animals are treated to a drink, for which true policy of New Hampshire—that it was manuwe doubt not they are very grateful. Water is facturing. There should be a mill upon every forced into hogsheads upon the ground by a hydrau-stream; agriculture would thrive thereby. lic ram, from a brook which gurgles along at some distance from the field. The arrangements through- the gentlemen and ladies of New Hampshire. In out are ample, and reflect much credit upon the this connection the orator pictured the loveliness, committee of arrangements.

Tuesday—Second Day.

In the afternoon, at two o'clock, a procession was could be produced from a small quantity of land. formed and escorted the Governor of the State, the orator of the day, the invited guests and officers of farmer. A liberally educated man is a full grown the society to the grounds. While the procession man. It is not necessary that he should be a colwas en route, we took occasion to look at a couple lege graduate, to be such. The book of nature was of violins to which our attention was especially ever before him. No pursuit was better than farcalled. They were manufactured by Mr. J. H. Arey, ming to develop the powers of the mind. a farmer of Boscawen, who has not only an exquisite taste for music, but great mechanical genius, as beautiful in the thought that at last we might close some beautiful inlaid work-boxes in the exhibition, our earthly existence upon the spot which we had the product of his leisure hours, fully testify. About cultivated and adorned. The address was one of a year since Mr. Arey having read of the scientific great beauty, and had the rare merit of being brief. proportions of a Cremona violin, took it into his it was sent to Boston to a music-dealer, who at once qualified political address, by Mr. Botts, of Virgold it and I Boston to a music-dealer, who at once qualified political address, by Mr. Botts, of Virgold it and I Boston to a music-dealer, who at once qualified political address, by Mr. Botts, of Virgold it and I Boston to a music-dealer, who at once qualified political address, by Mr. Botts, of Virgold it and I Boston to a music-dealer, who at once qualified political address, by Mr. Botts, of Virgold it and I Boston to a music-dealer, who at once qualified political address, by Mr. Botts, of Virgold it and I Boston to a music-dealer, who at once qualified political address, by Mr. Botts, of Virgold it and I Boston to a music-dealer, who at once qualified political address, by Mr. Botts, of Virgold it and I Boston to a music-dealer, who at once qualified political address, by Mr. Botts, of Virgold it and I Boston to a music-dealer, who at once qualified political address is a music-dealer who are music-dealer who at once qualified political address. head to try his hand in making one; he did so, and sold it, we believe, for some \$30. Mr. Arey hav- ginia! ing heard of the sale, visited Boston, where he received the most flattering assurances of the worth of the instrument, from good judges, who urged mild. A light fog lay in the valley of the Merri-

him to give his whole attention to the manufacture. He has manufactured several since then on rainy days, and during his leisure moments, and they find The Sixth Annual Fair of the New Hampshire a ready sale at from thirty to fifty dollars each.

The procession arrived upon the ground at two

The speaker commenced with a brief notice of agshire farmers we have reason to be satisfied, although Just within the entrance are two of Yale's large our soil is sterile and hard to cultivate. There are self-denial, the enterprise which compels the farmer

We have a great deal to do for agriculture; first, feasting the hungry multitude expected tomorrow In this connection, the orator referred to the professions, and said that that which was at the foun-Around the sides of the enclosure are ample stalls dation of all others was neglected. We needed an

> Horticulture was also a legitimate occupation for the beauty, the healthfulness of the occupation; it was Paradise regained. Horticulture was a teacher to the farmer—teaching him that a great deal

> A liberal education is not a disqualification for a

In conclusion, he said that there was something

At this stage of the proceedings there was an un-

FRIDAY—THIRD DAY.

The morning of Friday was beautifully clear and

mac, but as the sun ascended the heavens, it disapwas as beautiful as could be wished for the conclu- en, we have no means of knowing who were the sucsion of the exhibition. At eight o'clock the trotting cessful competitors. horses occupied the track. Also a large sized bull, with a rider upon his back, which went round the course in good time, but not very elegantly. Notwithstanding the crowd was so dense yesterday, given from the orator's stand. there was a respectable attendance, and a call for tickets up to the hour of 1 P. M.

During the morning, we fell in company with G. W. Nesmith, Esq., of Franklin, formerly President gratify the never-tired gaze of that portion of the of the Society, and obtained from him some information in regard to the manufacture of hosiery in that place. The manufactory was creeted about a remembered that many of the best men of the competition of the comp constantly employed in the mill, besides individuals. The "fast" men and "fast" horses are in some deyear since, and two hundred and fifty hands are now in some five hundred families in the surrounding gree obtaining a prominency which makes everycountry. The machinery used is of American in-thing else subordinate. The tendencies are towards vention, and it manufactures an article very differ-horse-racing, and unless a change is made in this ent from those produced by foreign looms. Four respect, it is apprehended that in a few years this different colored threads are interwoven by a loom will be the all-absorbing feature of such exhibinow in operation, a thing not known in English manufacture. Seventy thousand dozen pairs were manufactured the past year. The company have a contract with Government to supply the navy with twelve thousand dozen pairs the coming year. One hundred and seventy-five thousand pounds of wool, per annum, are used, all American; indeed, all the material consumed is American, save some of the dye stuffs. Most of the wool in the immediate vicinity is used in the establishment.

The looms do their work so easily that a lad of fifteen will weave sixteen dozen pairs per day. The possesses a real value: two hundred and fifty operatives receive about five thousand dollars per month for their labors, and parts of the country, respecting cement pipe and the individuals in the surrounding country who do cement cisterns, and their durability, I would be the "seaming," receive about fifteen hundred more, much obliged, if you will permit me, through your making a total of seventy-five thousand dollars paid journal, to answer several communications in regard out to the people within a radius of fifteen or twen- to hydraulics. ty miles. The articles produced are of excellent texture, and find a ready market. It is a source of raise the water 80 or 100 feet, and be made durable? pride to the inhabitants of the State to know that My answer, from experience, is-There is one runafter sleeping a Van Winkle sleep of years, New ning at this place, which has been in operation Hampshire is at last seeking with rapid strides her seven years, and I see no good reason why it should true destiny. An old and matronly lady, while ex- not continue for 50 more. I find the great failure amining the splendid exhibition of hosiery present- in these machines is caused by bad setting, as I have ed, objected to the manufacture as being prejudicial fitted over a large number which have given perfect to the morals of the rising generation of girls—satisfaction.
"it would lead to idleness," she said, "and the Lord knows that they gad enough now." The remark of stone or bricks, that will be lasting? I have been the good dame raised many smiles upon the cheeks engaged in the business for twenty years, and have of the young ladies within hearing.

Plowing Match.

ground at the north end of the city, nearly up to expense. the place where the brave revolutionary hero Stark "sleeps his list sleep."

requiring a strong team to carry the plow steadily dollar per barrel by the quantity. to the depth of seven inches. Seven teams were entered-four single ox, one double team of twoyear old steers, and two-horse teams. Each com-fourth of lime, as a general rule; but it is necessary petitor was allowed to "take his time"—a most ju-to vary from that, as some portions of sand are more dicious arrangement, as there was no hurrying, porous than others, even in the same bed. shouting, or use of the whip, but a steady drive as

As we were under the necessity of leaving the peared, and at eight o'clock everything in nature ground before the report of the committee was giv-

Close of the Fair.

At twelve o'clock the reports of the judges were

After the premiums had been awarded, an auction was held in the tents for the sale of articles. The fast horses also appeared upon the course to community who delight to see how quickly a horse can travel a mile. In this connection, it may be munity begin to doubt the utility of State Fairs. thing else subordinate. The tendencies are towards

A large number of the prominent men of the State were present upon the occasion, besides some from abroad.—Journal, abridged.

WATER RAMS---CEMENT PIPES.

The following communication, which we find in the Country Gentleman, is one of those practical things, coming home to a majority of farmers, that

As I very frequently receive queries from all

1. Can hydraulic rams be put up and made to

put them in all kinds of soil, even quicksand, and am yet ignorant of a failure. I consider stone or bricks used a damage; the natural earth is far bet-At nine o'clock the Plowing Match was held on ter to put the cement on, and with one third the

3. Cement has got to be an article of commerce, and can be found in almost all large villages. The ground was a sandy loam, well swarded, and purchase a good article of the manufacturer for one

4. Does it need slaking, like other lime? No.

5. What proportions do you use, for pipe? One-

6. The color varies in different localities; the if each was upon his own field. The work in general was well done, especially that performed by the steers, who acted like oxen, bracing their shoulders and the Newark Company at Kingston manufacture to the work without the appliance of whip or good. In good article. Onoudage cement requires to be

differently prepared where you form an entire body, some fine specimens. A pair of native oxen, the such as pipes.

7. Does it become useless after being ground one year? I have put down pipe of it after it had been ground and barreled seven years, and the pipe has been down and in use fourteen years.

off for different purposes.

9. A good set of moulding rods with mould is worth twelve dollars.

inch coment pipe? One barrel of coment will ton, G. P. Wright, of Dunstable, Gardner Parker, make eight rods of pipe. My price is 37½ cents a rod and furmshed, and you can calculate the

11. Is it durable? I believe when properly put down, it is as lasting as time.

Colosse, N. Y. A. Butterfield.

MIDDLESEX NORTH AGRICULTURAL SOCIETY.

We had the pleasure of attending the first exhibition of this new society at Chelmsford, on Wednesday, Sept. 19. The rain of the day previous had laid the dust, and the air was cool and exhibitanting. Everybody seemed to breathe free again after the intense heat of nearly all the preceding portion of September, so that everybody was elastic, goodnatured and active—and that is a great deal to begin with on a show day. The horses were nimble and showy—the cattle cool and contented—the pigs slept and grunted in their narrow domains, unless stirred up by some visitor eager to see their points —turkeys "gobbled," hens cackled, and rooster most defiantly crowed to his neighbor rooster across the way. All was life and animation and good feeling in the centre of Old Chelmsford, on that day. Even the sun himself, as much of a into. bore as he has recently been charged with being, was held in good fellowship—for men and maidens, and pigs and poultry, were basking in his beams, and declared they were really congenial.

We first looked at the plowing match. Eleven teams were entered, and ten contested. The ground selected was a sandy loam, without stones, and with only a very slight sward. It was well plowed, as it might have been with only ordinary teams and plowmen-but it was evident, notwithstanding, that there was skill in both, which would

have done good work anywhere.

The trial of strength and skill of working oxen was finely contested. The load drawn, including the wagon, weighed 6000 pounds, and it was handled by several with great credit to the teamster and team. After trial by the ox teams, a single horse, the property of Mr. White, of Lowell, was hitched to the end of the tongue of the wagon, judge, were ladies-truly a most admirable feature started it in the sand and drew it up a sharp pitch in these social gatherings. to the level ground. His weight, we were informed is 1675 pounds.

property of H. A. & S. A. Coburn, of Lowell, 5 years old, weight 3905 lbs. and girting 7 feet 8 inches, attracted all. They are working eattle, and regularly employed on the farm. Elijth M. Reed's 8. New pipe can be attached to old, and made Alderney, the best cow, probably, in the State, was tight. It can be drilled, and lateral branches lead there, with a calf by her side. Z. P. Proctor, of Dunstable, and H. C. Merriam, of Tewksbury, each had Durham Short Horn bulls, which were fine. 10. What is the expense of putting down one Messrs. Spencer, of Lowell, Sheldon, of Wilmingof Billerica, and Wm. Niehols, of Lowell, had cattle, horses and swine, which were excellent, but which we cannot more particularly speak of now.

> The display of *regetables* was remarkably fine, indeed, we have rarely seen better, and they embraced every kind usually found in New England. We noticed among other marvellous growths, 21 pumpkins, all produced from a single hill, any one of which would make a very large house for a family of a dozen persons from Lilliput!

> But the room containing the fruit and the handiwork of the ladies was the centre of attraction on that day. We had no desire to select specimens of unusual merit where all were so good. Pears were very fine, and in variety; so were the plums, Washington, Coe's Golden Drop, Gages and others. Some specimens of Crawford's Early Peaches, presented by Mr. David C. Perham, surpassed in size any we had ever before seen. The specimens of apples were of the highest order, and in considerable variety; indeed, it would puzzle some of the State shows to make so fine a display of apples, and if they were not all rightly named, it is only an error that much older societies are quite liable to fall

> There was some fine *Poultry* on the ground, but the display was not large.

> The address was by the Hon. Tappan Went-WORTH, of Lowell. His topics were, the policy and action of the State in relation to agriculture, a brief history of the origin of the County Society, and the practice of agriculture in England. He thought the hardness of our soil led the earlier settlers into other pursuits, and that the same influences may be in operation now; the demand for agricultural products calls for better cultivation; he spoke of the means of increasing crops, of the profits of farming, and brought together statistics which will be exceedingly valuable hereafter. The address was eminently practical, and adapted to the occasion, and we hope to see it handsomely printed.

> The dinner was well attended by some five hundred persons, nearly one-half of whom, we should

The President of the Society—the Hon. WILLIAM Spencer—addressed the multitude in a neat and The show of cattle was not large, but included appropriate speech, and remarks were made by Dr. Bartlett, of Chelmsford, Mr. Wentworth, of Lowell, Mr. Brown, of Concord, and Messrs. Clark and Proctor, of Danvers.

Society has been a successful one; but it will take I had Johnston's Chemistry and Geology, Browne's more than one year, to hitch the team and straighten the chain so as to get an even draft and full power; but the team is there, and will perform the work Davy's Agricultural Chemistry, they gave me a effectually by-and-by. We tender our thanks for London edition of 1844, by Sir Humphrey Davy, kind attentions, congratulate them upon their au-but edited by John Shur. Was that right? spicious prospects, and wish them abundant success in all their future efforts in the noble cause.

For the New England Farmer.

THE POTATO BORER.

Friend Brown:—Having your attention called to a worm found in the potato vines, you express a desire to be made acquainted with his history and character. With this worthy I think I may claim an acquaintance of many years standing, and though knowing no good of him, doubt his capacity for any very extensive evil. Unless very greatly deceived Is there much time for reading and study? Do in the individual, I have had the honor-am I to you know of a good farmer that wants, or would say rare honor?—of his aequantance, man and boy, take on trial such a youngster as I shall describe mysome thirty years, having occasionally met him at self to be? I am 5 feet 8 inches high, rather slenhis work in pot ito and dahlia stalks, and more der, 19 years of age, have a good common school or less every year in corn stalks.

ed me, which he almost entirely destroyed, before I persons, and I neither chew or smoke tobacco." detected the cause. This year he figured pretty extensively in my stalks, both corn and potatoes, which I attributed—as I did the excess of grubs and other similar vermin—to our cold, backward spring. He is about one inch in length, with a dark head, fleshcolored neck, tail and belly, and a brown or chocolate-colored back; in motion, nimble and active, moving up and down his hole in the pith or heart of the stalk with great case and speed, for a worm, and when placed upon the ground, propelling as if he heard the dinner-horn. Evidently a *stalk*-jobber by profession, though rarely seen, I presume, at the broker's board. He has, however, completely wormed himself into the business, and is quite as successful in his operations, and as essentially uses up the stocks upon which he operates, as the most accomplished among them; I should never suspect quire a knowledge of the business of the farm. him of the "potato-rot," however, as does one of your correspondents, stalk-jobber though he be.— Indeed, from my knowledge of his habits and propensities, I should deem him much more capable right to do.

East Woburn, Sept., 1855.

Lake Superior Copper Mines.—From reliable sources we learn that the production of copper this season will be about 5,000 tons mine weight, amounting to say 3,500 tons of ingot copper, being fully one-seventeenth of the entire product of the world, of ascertaining the name of the kind. I suppose The product of another year will, in all probability, be much greater than that of the present. The value of copper for the present year will be about them, I cannot satisfy myself of which variety they \$1,750,000. Another year it will probably reach are. The descriptions in the books are very much \$2,500,000.

EXTRACTS AND REPLIES.

BOOKS FOR FARMERS.

In your paper for April, page 197, in answer to Upon the whole, the first Exhibition of the new one of your correspondents, you gave a list of books. Muck Manual, and Youatt and Martin on Cattle; the others I have purchased, with the exception of Downing's Fruit and Fruit Trees. In asking for

Is there no later edition of the Farmer's Encyclopædia and Harris on Insects, than 1852? I have perused these books with pleasure and profit.

Remarks.—There has not been, to our knowledge, an American edition of Davy's Chemistry, and no later edition of the Eneyelopædia or Harris' Insects than 1852.

WANTS TO BE A FARMER-QUESTIONS HARD TO ANSWER.

"I wish to ask if there is much chance for a young man without money to get ahead in the country? education; I am industrious, honest and sober, and Five years since I had some choice dahlias present- can obtain certificates to these facts from reliable

> REMARKS. — Industry, Honesty and Sobriety are three cardinal virtues, and they do not often fail of success. But it is an up-hill work to go to farming "without money." That must be earned or borrowed first. Now who will take our young friend, on trial, among our numerous good farmers, and pay him a fair compensation for his labor, and teach him the art which he aspires to learn? That, in our opinion, is just what his case requires—to go into a kind family, on a good farm that is conducted systematically and with some considerable degree of science, where he could at the same time earn something with which to make a beginning, and ac-

We could refer to gentlemen in our own, and many other towns in the State, who could be exceedingly useful to young men in this way, and not of tunnelling the Hoosac, and that, you perceive, be losers themselves. Most happy shall we be to is setting him down as a very great bore, as since inform "F. E. C.," of N-t, of such an opportuthat senryy afffair of the dahlias I have a perfect nity whenever it is made known to us. In the meantime, we refer him to the article in another column, on the Study of Agriculture, and to the advertisement of Prof. NASII.

FINE APRICOTS.

I send you a few of my apricots, for the purpose alike. On the 25th of last month, I took one from the tree, measuring full 7 inches in circumference, and quite a number of others from 6 to $6\frac{1}{2}$ inches; and six of them weighed a pound.

The specimens I send you are not so large as they are the last of the season. Hoping they will reach you in good condition, so that you may test their deliciousness, I remain, very respectfully yours, Leominster, Sept. 5. C. C. FIELD.

Remarks.—The apricots were received in good condition, and were as delicious as any we have ever South. We think the variety the *Peach*, though the Peach and Moorpark bear a strong resemblance. Thank you, sir.

WHAT IS THE EXPENSE OF KEEPING A HORSE?

Mr. Editor:--Cannot some of your numerous subscribers, who have made and are continually making experiments, give us the actual expense attending matter, than most any other which could be mentioned.

We will say the horse is a good feeder, weighs nine hundred pounds, and is required to labor every at twenty dollars per ton, and meal at one dollar quence, save dyspepsia, which costs more, per bushel. What I would wish to know, is, what cutting, they are taken out with a spoon. would probably be the expense of keeping a horse, per annum, under these circumstances, including tion for less than one hundred and twenty dollars? East Weymouth, Aug. 27, 1855.

Remarks.—Will some of our numerous readers who have paid attention to this matter, reply to the important queries propounded above?

WORK DONE BY MOWING MACHINES.

On looking over the return of work done by mowless than \$5. If this machine will continue to op- used. erate as well, I think it will not fail to find employment.

A YELLOW LOAM SOIL.

that is a proper name for a soil.

A Northern Subscriber.

Canaan, $V\iota$., 1855.

Remarks. — Will some one cultivating such a soil describe it to the inquirer?

samples of wool.

LADY'S DEPARTMENT.

DOMESTIC RECIPES.

CANDIED ORANGE OR LEMON PEEL.—Boil the rind from thick skin oranges or lemons in plenty of water, until they are tender, and the bitterness is out; change the water once or twice, if necessary. Clarify half a pound of sugar with a half a cup of water for each pound of peel; when it is clear, put Indeed, we never saw finer grown at the in the peels, cover them, and boil them until clear, and the syrup almost a candy; then take them out, and lay them on inverted sieves to dry; boil the syrup with additional sugar, then put in the peels; stir them about until the sugar candies around them; then take them on a sieve, and set them into a warm oven, or before a fire; when perfectly dry, pack them in a wooden box with tissue-paper

TO MAKE FRUIT-PIES.—No under crust should the keeping of horses? Probably there are more be made to apple or any fruit-pie. It is always persons directly and indirectly interested in this heavy and not fit to eat. Place a narrow rim of paste around the edge of the plate, and fill with the fruit, either raw or stewed, and cover it. juices will be retained much better, and it will save a sight of flour and butter, which is no triffing conday, to that extent which will not injure him; hay sideration in these days, and what is of more conse-After

MILK IN BREAD.—I have more objections than shoeing? Can the horse be kept in proper condi-one to milk in bread, but the most scrious is, that persons of advanced age, who are in the daily use of milk-made bread, will be expected to suffer from an In this I calculate he will consume two tons of hay, milk-made bread, will be expected to suffer from an about sixty-eight and a half bushels of meal, and over supply of osseous or bony matter, and particularly the suffer of the supply of osseous or bony matter, and particularly the supply of osseous or bony matter and particularly the supply of osseous or bony matter and the supply the cost of shoeing ten dollars. If there is any larly if their kidneys be affected. Bread should alcheaper or better way, I should be very glad to ways be made with water, and when so made, it is have some of your correspondents inform me what suitable for the aged and the young, the sick and it is, and much oblige one who is deeply interested in the subject. Respectfully, N. Q. T.

East Weymouth, Aug. 27, 1855.

He well. And as for sour milk, a microscopic view would, I presume, present additional arguments against its use.—Water Cure Journal.

TO PRESERVE IRON AND STEEL KNIVES EROM Rust.—Procure some melted virgin wax—the purer the better—and rub it thoroughly over the blades of the knives. After it has dried, warm the knives, and having carefully removed the wax from the surface, rub them briskly with a dry cloth, until the original polish is fully restored. This will fill all ing machines, the present season, I find Manny's pores with the unctious and minute particles of the Machine, made by Adriance & Co., of Worcester, wax, which will adhere firmly, and prevent the inhas eut 150 acres in 140 hours, averaging one and trusion of water or moisture which is the cause of a half tons to the acre, at an expense of accidents rust. They will retain their brilliancy for weeks, if

To Extract a Glass Stopple.—Wrap a large strip of wool around the neek of the bottle, once; fasten one end of this firmly to some stationary object, and hold the other end in the hund. "See-I should be much obliged to you for a description, saw" the neck of the bottle, and the friction will so through your paper, of a yellow loam soil; i. e., if heat the latter that it will expand sufficiently to allow the stopple being removed with case.

To Clean Paint.—Smear a piece of flannel with common whiting, mixed to the consistency of common paste, in warm weather. Rub the surface to be cleaned quite briskly, and wash off with pure cold water. Grease spots will in this way be almost Woot. - "J. B. P.," of Rutland, Vt., will please instantly removed, as well as other filth, and the accept our thanks, for his proposition to furnish us paint will retain its brilliancy and beauty unimpaired.



DEVOTED TO AGRICULTURE AND ITS KINDRED ARTS AND SCIENCES.

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JOEL NOURSE, PROPRIETOR. OFFICE QUINCY HALL.

SIMON BROWN, EDITOR.

FRED'K HOLDROOK, ASSOCIATE HENRY F. FRENCH, Editors.

CALENDAR FOR NOVEMBER.

"Where are the flowers, the fair young flowers That lately sprang and stood In brighter light and softer airs, A beauteous sisterhood? Alas! they all are in their graves; Alas: they an are in one; graves,
The gentle race of flowers
Are lying in their lowly beds,
With the fair and good of ours.
The rain is falling where they lie,
But the cold November rain
Cally not from out the gloomy earl Calls not, from out the gloomy earth, The lovely ones again."

BRYANT.

OVEMBER, gloomy, sad November, we welcome vou, notwithstanding your grave countenance and despoiled ap-

pearance. We welcome you touching anthem-

"I would not live alway, I ask not to stay," &c.

It is by no means a mel-

the last time on our

we admit this thought, and sing the anthem alluded winter's wood to be cut, sawed, split and piled in to, we welcome that annual type of decay-Novem-place of that which was prepared last winter, and BER.

seasons to the life of man, but its triteness makes Hollow, to pay Farmer Thrifty a visit at Wideits truth; and he who observes at all, cannot fail to awakeville. He arrived last evening, mounted on a see how Nature, through all her revolutions, delin-poor, raw-boned horse, having on him a wagon-hareates upon things inanimate, the semblances of ness, the farmer riding just behind the pad saddle. things animate, showing the close connection of Farmer Thrifty had just finished work at the man and bird and beast, with the unbreathing Na-barn, and was approaching the house as Farmer ture that surrounds them, and leading the human Slothful rode up. "Why, what upon earth has mind naturally to comparisons and reflections by happened to bring you here in that plight, neigh-

which a moral lesson is engrafted on the connection of the animate with the inanimate.

November, although classed as the last Autumn month, in our northern climate, partakes far more of Winter than of Summer, and, on its conclusion, we often see the white garb of Winter spread over all the earth about us, and hear the merry bells, as the sleigh-riders glide smoothly along the glassy surface of the road-way, seeking either business or pleasure. The harvests are now all secured. The scaffolds in the good farmer's barn are filled to the very rafters with clean and wholesome and sweetsmelling hay; the grain-bins are well filled with corn and rye and wheat and oats; in the cellars are stowed away potatoes and pumpkins, beets, carrots, turnips, &c. &c., ready for indulging the appetite of in the same spirit that we both man and beast; the wood which was cut, split, often sing that beautifully and so nicely packed away in the wood-house last Winter and Spring, now begins to yield its comforts in the cheerful blaze upon the winter hearth; the long evenings are spent by the farmer's family and his friends and neighbors before the ruddy ancholy thought to us, that glow made by the ignition of the seasoned oak, the time shall surely come walnut and rock maple. If the farmer has done his when we shall lie down for duty, the cattle stalls are all in order, tight, warm and comfortable; cattle-cords and curry-combs are kept worldly couch; that hanging in their proper places, and every morning our "body shall re- the oxen and cows are carded smooth and nice, and turn to dust as it the horses are curried and their manes and tails was, and our spirit combed out and made to shine almost as if they to God who gave it;" and in the same feeling that were of silk. The sleds are got ready to haul the which is now so useful, and all is ready for old Bo-Nothing is more trite than the comparison of the reas. Farmer Slothful has come over from Sleepy

bor S.?" said Farmer T. "Well," replied Farmer ly," replied Farmer T., "I and my boys should be S., "it is strange, but I never do set out to ride any-ashamed of ourselves if we could not make all the where without meeting with some sort of an acci-handles to our tools-fit the boards to our carts anything in order. About a mile down the road, grain-bins—and, indeed, make any little repairs off came the tire from one of the hind wheels of the that may be necessary about the premises. Not long leave the wagon, and ride up here in this way." stone or iron one which would cost fifteen or twen-Farmer S. was made welcome, of course, his horse ty dollars!" taken care of, and he seated before the warm fire. The evening passed pleasantly away, for Farmer and buying tools, and we have them all scattered visit the barn.

to lay a mow well, but there, the hay is just as good it." as if it was all laid in regular! And so you keep

suppose you find a use for all of them." "Certain-|conversation between the two farmers went on, one

dent; it does seem as if our boys never could have and wagons—get out the stuff for and put up our wagon, and before I could stop the old horse, away since, my boys went to work and made a first-rate went the rim of the wheel, and I was jolting along garden-roller, with which I have rolled all our on the ends of the spokes, and so I had to unhitch, walks, and find it as good, perhaps better, than a

"Well," says Farmer S., "I am always buying Slothful was a good talker, and could tell good sto-round the farm, and hardly ever find one fit for ries, and was interesting. The farmers have break-use. We keep the grindstone under the great apfasted, (Farmer Slothful did not get up till he was ple tree down in the orchard, and once in a while called to breakfast,) and Farmer Thrifty proposes we have a general grinding up of tools, but they soon to take Farmer Slothful about the premises. They get dull again, and are broken and lost, and then I have to buy new ones. And here is your wood-"How well your cattle do look," says Farmer S.; pile. I declare that looks nice, and I should think "somehow I cannot keep mine looking so well. I you had enough wood cut, split, and piled up here, often tell our boys I don't believe they tale as good to last you two winters. I have told our boys a care as they ought of them, and I see you have got great many times that I should think it would be these new-fashioned chains to tie them up with; better for us to prepare wood one winter for the I've heard of them, but have gone on in the old next,—but Joe thinks that green wood makes the way of using wooden bows, and when old Billy got best fire after you get it going, and so, as the boys loose the other night and hooked my best heifer al- get up the wood, I have always let them have their most to death, I told our boys I thought we had own way pretty much—so we had up the wood better try some better way of tying up the cattle, and cut and split it and burn it green, though the but Joe seemed to think it would be more plague women folks are always grumbling about it. I than profit, and so we have kept on the old way. should think it would cost you an awful sight of And then your hay-mows, how well they look—so money, neighbor T., to keep things in such order as smooth and regular—I never could learn our boys you now have them; I don't think I could afford

"Well, neighbor S.," replied T., "I have always your seythes all hung up in that way—well, that is found it cheaper to do things as they ought to be an excellent plan; as for me, I cannot do it, for our done, than to do them in a slovenly manner, and boys will have one here, and another there, and my experience has taught me that order about a John left his hanging on an apple tree all last win- farm is fully equal to the assistance of several good ter, and it was ruined. And so (taking down one) workmen. Now, were you at home, with your wagyou have got these new kind of fastenings; it is a on in the predicament it now is, you would send it great improvement, isn't it? How firm it holds first to a wheelwright, he would repair the woodthe seythe to the snath! Well, I declare, if I have work of the wheel in the course of perhaps a week, told our boys once, I've told them twenty times and charge you a round sum for doing it, then you that we must have some of these new snaths, but would send it to a blacksmith, and he would, after Joe thinks these new-fangled notions are humbugs, keeping it another week, send it home with a bill and so we go on in the old way-first we wedge, for his labor, and perhaps in another week the tire and then we put a piece of leather under the would again come off! I have sent Ben down to wedge, and if we can't keep the scythe set right bring up your wagon. He and Henry will take any other way, we drive a nail behind the wedge, the wheel into the workshop and repair the wooden and so we manage to get along, but if I live till part in a few hours, then we will go to my blacknext having time I will have some of these snaths." smith's shop, for I have one, and being a tolerable Then the two farmers pass through a door into blacksmith myself, we will repair, cut and set the the work-shop. "Well, I do declare now, if you tire as it should be done, and your wagon will haven't got a work-shop," said Farmer S., "and all be ready for you whenever you desire to leave." your tools seem to be in such excellent order, and "Well," says Farmer Slothful, "this does beat all; you have a turning lathe, and a grind-stone, on I should never think of doing such a thing, friction rollers, and a set of planes and saws, and I and shall be so much obliged to you." And so the

admiring and wondering—the other explaining, till the farm and its belongings were thoroughly exam-

of sun, and before the evening fire, Farmer Thrifty ing at Dedham, and was well attended.

The Agricultural Hall, where the various protold Farmer Slothful how he had expended every ducts of the farm, garden, &c., are exhibited, forms dollar he had in the world, some thirty years be- the first great centre of attraction. Here the show fore, for his farm and the stock upon it. That he is profuse, and of a very interesting character, and his wife commenced living upon it—it was an Three long tables stretch along the centre of the old run out farm. That he had labored diligently whilst at the side tables are displayed on the one upon it. That he had reared and educated decent-side farming utensils and implements, and on the ly a family of children, and that now he owned the other a very choice assortment of fancy articles, in farm as it then was, in the highest state of cultiva-the shape of domestic manufactures, including nection, with excellent buildings upon it, and had quite dle and crotchet work, shell-work, millinery, drawa sum of money at interest.

Farmer Slothful wondered how he could do it. bition was very fine and very extensive. He said, as for his part, he was left by his father with the old farm and quite a large sum of money a collection of jellies, ketchups, pickles and preat interest, many years ago. He had tried to carry on the farm as well as he could—his boys had come on and they learned a little farming, and large, and those which are shown are more remarklast he concluded to try farming again, and so he shown at the farther end of the hall. took hold pretty much as he pleased, and the other himself, he never did much like to farm, and he amongst them some beautiful and symmetrical anileft it pretty much to the boys, and the farm had much mals, more than one of which trace their pedigree to Black Hawk, and Morgan Marc. One fine grown poor somehow, and did not yield enough to young colt, 3 years and 4 months old, shown by support the family, and he had spent all the money Mr. Nathaniel Smith, and raised by him at Dedham, he had, and felt rather discouraged, like. Farmer is marked as weighing 985 lbs. A very large num-Thrifty gave his brother farmer some excellent ad-ber in proportion of brooding mares are exhibited vice—told him, among other things, to wake up and the street to the farm himself and not trust to four hors? any Farmer Slothful about here, we hope it may interesting families under their care. spur him up to follow the example of good Far-mer Thrifty, who, we know, is a constant reader of the New England Farmer, while we do not be-now. Of the once celebrated Shanghai breed, the

SPARHAW APPLE.—Mr. GEORGE SHOREY, of They grew in Illinois.

NORFOLK AGRICULTURAL SOCIETY.

Dedham, Wednesday, Sept. 26.

The seventh annual Cattle Show and Fair of the The wagon was brought and mended before set Norfolk Agricultural Society commenced this morn-

whilst at the side tables are displayed on the one ings, paintings, pressed flowers, &c. &c.

Of fruit, apples and peaches especially, the exhi-

Piled at the corner of one of the tables we find serves, and also several specimens of home-made bread.

Of agricultural implements, the stock is not when Joe, the oldest got old enough, he thought he able for excellence of workmanship than novelty of could do better somewhere else and he went away design. Some elastic hay and manure forks, by and was gone several years and came back poor, marked commendation. Some wagons and other and hung round home a while doing nothing; at carriages of beautiful finish, as also harness, are

The exhibition of stock is held in a field behind boys went on pretty much the same way; as for the hall. Many horses are upon the ground, and

see to the farm himself, and not trust to "our boys" ham or Alderney breed, is very fine. A pair of fat for everything. Farmer Slothful left for home cattle, 7 years old, owned by Mr. Geo. Crosby, of early next morning, "a wiser and a better man," East Medway, attract much attention for their fine expressing to Farmer Thrifty his heartfelt grati-tude for his kindness and good advice; and we rather think, next spring, he will have things at of those shown are of the Jersey breed, truly Sleepy Hollow in a little better state than hereto-aboriginal in their aspect. It is at the same time fore, and that Joe and John and the rest of "our gratifying to find the prominence given to the proboys" will be obliged "to turn over a new leaf," duction of beasts of useful quality rather than the and adopt some of the modern improvements in over-feeding is sure to bring on. The pigs exhiscythe-snaths, cattle "tie-ups," &c., &c. And if the bited are few in number, and not particularly re-"Calendar for November" falls beneath the eye of murkable, but several of them have very large and

lieve Farmer Slothful ever saw a copy of it in his most distinguished representatives present were the grey variety, known as the Chittagongs.

PLOWING MATCH.

At nine o'clock on Wednesday morning, the Boston, allowed us to look at a couple of apples of plowing match was held. Five double ox, one sinthis variety, weighing one and a quarter pounds gle ox, three horse teams, and one team composed each, and measuring fifteen inches in circumference. prizes. The ground was a gravelly soil, filled with large pebbles, which, despite the exertions of the

plowman, occasionally threw the plow from the tion of cows, the "milk vein" spoken of as though though in some instances there was room for improvement.

SPADING MATCH.

After the plowing, a spading match was held on ground immediately west of the hall. Nine sons of the Emerald Isle entered the lists, each intent upon securing the prize. At a signal, each spade low the belly indicating the milking powers of the was thrust into the ground, with a spasmodic effort, highly pleasing the admiring crowd. No signs of the sub-cutaneous vein, and has nothing to do with weariness appeared, and each worked away with a hearty will, fully determined to turn his lot of ten and is the means of keeping up an equilibrium in feet square the other side up in the shortest possible time. As the work proceeded, much excite-ment was manifested by the crowd, and when at conversely and product is so to that of the milk last one contestant threw his spade upon the ground generally, and no doubt is so to that of the milk and declared his work finished, a hearty cheer was among the rest." shouted from thousands of voices. The first lot was finished in sixteen minutes; and all but one in WORCESTER COUNTY AGRICULTURAL seventeen minutes.

TROTTING MATCH.

At 10 o'clock, a trotting match came off upon the new course, which was witnessed by an immense 26th. The weather was favorable. crowd, but we have no room for details.

EXERCISES IN THE CHURCH.

grounds, which proceeded to Rev. Dr. Lamson's exhibited Ketchum's mowing machine in actual opchurch, under the direction of Col. Adams, Mareration; also Manning's machine was exhibited by shal of the day. Upon arriving at the church, the Adriance. Among other articles which attracted President of the Society, Hon. M. P. WILDER, made general attention, was a corn-planter by J. Littlea few remarks.

to assemble once more, and that the present year windmill on the same principle, by Wm. M. Wheelwas auspicious for the welfarc of the Society. He er, Berlin; fancy stained glass for doors and win-remarked that the recent additions to the grounds dows, by J. and J. N. Bartlett, Worcester. and the success of the present fair, would enable the society to go on with good prospects for the future.

He then spoke of the improvements in agriculture which had taken place, and remarked that the present exhibition had surpassed all others; yet we were not to look at these exhibitions as mere holidays, but as days devoted to the study of agriculture.

Rev. Mr. MERRICK, of Walpole, was then introthings were to be considered in this connection. cond, that we always speak of the profits of farming comparatively.

The address was listened to with much attention, but we have no room for details.

THE BANQUET.

After the address, the procession re-formed and marched to the hall, where a sumptuous repast was spread by J. B. Smith. After the invocation of the the bounty before them.

In front of the President's chair was the motto:

"From Agriculture are these blessings sent—Wealth, Commerce, Honor, Liberty, Content."

After the literary repast was finished, the awards ample justice rendered to its merits. were given, and the festivities were closed by singing an original ode, written by Miss Anne S. Tiles-then introduced as the orator of the day, Wil ton, to the tune of "Auld Lang Syne."

it communicated with the udder and supplied to it the milk. Mr. Stephens says:

"There is also another fallney in regard to the milking properties of a cow, which should be exposed—I mean the notion of a large milk vein below the belly indicating the milking powers of the the udder; it belongs to the respiratory system, the blood between the fore and hind quarters. This vein certainly indicates a strongly developed

SOCIETY.

The annual exhibition of the Woreester County

The exhibition of cattle was unusually large.

Butter and cheese were largely represented. Cheese, for quantity and quality, excelled any previ-At twelve o'clock a procession was formed at the ous exhibition. Ruggles, Nourse, Mason & Co. field, of Leominster; a machine for weeding root He said that Divine Providence had allowed them crops, by W. J. Ross; model of a water-wheel and

SHOW OF HORSES

This took place on the Society's grounds, at half-past six o'clock. There were fifty-five animals entered for premiums, mostly of an ordinary character, although there was now and then a superior horse to be seen. The facilities for exhibiting horses outside the pens are very poor. There is no track, and the area is not more than half large enough. Exertions are being made, however, to increase the duced as the orator of the day. He first spoke of society's accommodations in this respect, so as to set the late immediate in the l the late improvements in agriculture, and then reful, the display of horses no doubt will hereafter marked that the course of his argument was the form an attractive feature of the Society's exhibition, profitableness of farming in this vicinity. Two for there is plenty of material in the county. The Two for there is plenty of material in the county. The First, the manner in which farmers live; and seday, a great many horses and carriages being on the ground, as well as a large number of spectators. But few horses entered for premiums were displayed on the field, most of them being in the pens. There were ten stallions of all ages, eleven geldings, and three pairs of matched horses.

THE DINNER AND ADDRESS.

At two o'clock a goodly company sat down to one of the best public dinners of the season, got up by Divine blessing, the company regaled themselves on Augustus N. Marrs, of Worcester. It was laid in the hall of the Society. After the company were seated Rev. Mr. Jones, of the First Baptist church, offered prayer.

The bountiful repast was next attended to, and

The President, Hon. John Brooks, of Princeton, liam Brigham Esq., of Boston, who delivered an in

dawning upon the New England farmer, for he en-butter." joys the best markets in the world, and the competition from the West is growing feebler, as the soils there are fast being exhausted. He closed with INSTINCT AND AFFECTION OF BIRDS. some excellent remarks on the farmer's means of improving his condition. His address was well cal-something very pretty and very pleasant upon birds. culated to allay the restlessness and discontent of Something instructive and interesting, improving our young farmers. We were not able to attend to the mind and pleasant to the feelings. It is inin the papers.

A YOUNG TOBACCO-CHEWER CURED.

the hammocks, when one of the boys came with his But, alas! I am no story-teller, and shall, I fear, hammock on his shoulder, and as he passed, the destroy the charm of the incidents in the narration. first lieutenant perceived that he had a quid of tobacco in his mouth.

we have not, I will operate as well as I can. Send the armorer up here with his tongs." When the armorer made his appearance with his big tongs, of the past, the eye catches the flutter of their the boy was compelled to open his mouth, while the blue dresses, and the ear drinks in the music of the past, the ear drinks in the music of

grinning from ear to car, put the boy's head be-neighboring tree, many a pleasant song falls upon tween his knees, and scrubbed his teeth well with the drowsy ear of spring, while bleak winds are yet canvas and sand for two or three minutes.

my little fellow, take same water and rinse out your with a sickly anticipation of returning warmth, and mouth, and you will enjoy your breakfast. It was bloom, and brightness, we dig about the bushes, trelimpossible for you to have caten anything with your lis the vines, or repair the old garden fence. And as mouth in such a filthy condition. When you are those pleasant strains float on the frosty air above troubled in the same way again, come to me, and I and around us, the very breath of the blast seems will be your dentist." The lad was completely to melt, the dim sun to grow warmer, and the dull cured, by the ridicule of this occurrence, of the hab-learth to look gayer, in anticipation of the coming it of tobacco-chewing.—Captain Marryatt.

by Dr. Anderson, the quantity of cream obtained suffering or sorrow. Discreetly avoiding all referfrom the first drawn cup of milk was in every case ence to family affairs, little that transpired to disturb smaller than the last drawn; and those between afforded less or more, as they were nearer the beginning or the end. The quantity of the cream obtained sip, no scandal, no ostentations display of grief or strong the last drawn and some covered of the control of the cream obtained sip, no scandal, no ostentations display of grief or strong the last drawn are some covered of the cream obtained sip, no scandal, no ostentations display of grief or strong the cream obtained sip, no scandal, no ostentations display of grief or strong the cream obtained sip, no scandal, no ostentations display of grief or strong the cream obtained sip. from the last drawn cup from some cows, exceeded joy. Softly, with sunshine and with song, the that from the first in the proportion of sixteen to happy hours flew by on downy wings, ruffling no one. In others, the proportion was not so great, feather of their guileless breasts until the untoward "Probably," says Dr. Anderson, "on an average of event which I am about to narrate.

teresting address upon the sources of encourage- a great many cows, it might be found to run as the ment to the New England farmer at the present or twelve to one." The difference in the quality of time, and what can be done to improve his situation. the cream was also much greater than the difference Mr. Brigham combatted the prevalent notion that in quantity. From this it appears, that the person New England soils are the poorest in the world, who by bad milking of his cows, loses but half a pint and declared that they excelled those of Canada of his milk, loses in fact about as much cream as and the British Provinces, Great Britain, some of would be afforded by six or eight pints at the beginthe Middle and Southern States, and other parts of ning, and loses, besides, that "part of the cream our own country. In his opinion, a bright day was which alone can give richness and high flavor to

For the New England Farmer.

FRIEND Brown:—You now and then treat us to this Exhibition, and can find only a meagre report deed a charming theme to chat about, and finds a ready response in every bosom.

I, too, have a stray story or so upon the same subject, which properly told, would tend to deepen On board ship, one day, we were stowing away the growing interest in these dear little familiars.

Some years since, a son of mine placed upon the ridge-pole of the stable a little box fashioned into "What have you got there?" asked the lieutenant, a bird-house, which soon became the happy home "a gum-boil? Your cheek is much swollen." "No, of a loving pair of blue-birds. Blithely and pleas-" replied the boy, "there's nothing at all the mat- antly, busied with domestic cares or pleasant songs, str," replied the boy, "there's nothing at all the matter, and the perhaps it is a bad they passed their sunny hours; and in the "sear tooth. Open your mouth and let me see."

Very reluctantly the boy opened his mouth, which contained a large roll of tobacco leaf. "I see, I see," said the lieutenant, "poor fellow! how you must suffered. Your mouth matter and perhaps and you must suffered by the perhaps are grown tooks hold cares. As the days lengthen and the frost poor fellow? fer! Your mouth wants overhauling, and you teeth hold cares. As the days lengthen and the frost cleaning; I wish we had a dentist on board, but as lessens, we watch their coming as blessed harbintobacco was extracted with this rough instrument. | their old familiar tones, as from their pilgrimage in "There now!" said the lieutenant, "I'm sure that the far off sunny clime, they come to us with their you must feel better already. You never could songs of the sun. Often in the chill of the earlyhave any appetite with such stuff in your mouth, spring morning we hear their little voices seemingly Now, captain of the after-guard, bring a piece of old chiding the tardy blossoms, encouraging the timid canvas and some sand, and clean his teeth nicely."

The countries of the offer results of the old of the countries of the offer results of the old The captain of the after-guard came forward, and, that little house on the roof, or some tall post or howling through leafless boughs, whirling the frosty "There, that will do," said the lieutenant. "Now, dust, or mipping the rose and chilling the fingers as gladness of which they are hymning.

What changes may have taken place in their domestic relation during this time, it is quite impossi-MILK CLEAN.—In some careful experiments made ble to say. Externally there was no appearance of After they had been domiciled with us some to see that the destitution of his helpless fiedglings years, we became possessed of a pet crow. And of was prominent in his thoughts even in his great all the odd, comical, incomprehensible imps that anguish. Humanity might have wept without a ever breathed vital air, he was surely chief. There blush. Feeling that the sight of the dead only was nothing in the least strange that he did not added to his sufferings, I caused the body to be conpry into with the most commendable zeal and the signed to mother earth. Soon after, perching upon most comical gravity. Nothing outre or out of the his little house, he poured forth his lamentations in way, that did not seem to tickle his fancy. In fact, he had a marvellous eye for the ludicrous; and the upon any other occasion, and then raising himself quaint devices to which he was constantly resorting high in the air, with a bold, vigorous and continuous to gratify his propensity for fun exceed belief. I flight-acting plainly from some fixed purpose, he do not intend to give you his erowships history at rapidly disappeared from sight, far from his usual this time; that would require more space than either range and neighborhood. Watching his receding of us could spire at present. But the very thought form as he melted away in the blue distance, I was of him makes my side ache. Why, the cock of his soon lost in conjecture as to his probable purpose; mischievous eye, or the twist of his comical head, fearful, indeed, that his sad bereavement, and the

as to be entrusted with his liberty, the little box them a parent's place, when his old familiar voice on the roof struck him as deserving particular at-fell upon my ear, and looking up, beheld with asa young family only a few hours old, became speed-that in answer to his earnest appeal, had evidently The scene was singular, and, but for the evident and contemplated her helpless charge. Sorrowfully, comical gravity.

was as good as an afterpiece. Alas, he has fallen! perplexities of his situation, or more likely, fear of Fallen in his field of glory! A vietim to his incorrigible love of "devilment," and a reckless disregard of gunpowder—a defect of his early education. Poor fellow! Requiescut in pace.

The was as good as an afterpiece. Alas, he has fallen! perplexities of his situation, or more likely, fear of further violence, had quite broken his spirit and driven him forth from his old home and helpless off-spring, a wanderer upon the earth. Becoming impatient at his absence, I had just resolved to take Shortly after he became so wonted to the place those little unfortunates and endeavor to supply to tention, and forthwith he commenced one of those comical investigations, which to be appreciated, must have been seen. The poor little songsters, having with him on that little box a female companion, ily alarmed at these inquisitorial proceedings, and hastened to his desolate abode to aid him in this, as his crowship, in the progress of his examination, his greatest need. The novelty of her situation, placed himself in dangerous proximity with their and the fearfulness of the tragedy just revealed to little home, they commenced a simultaneous attack her, very naturally rendered her nervously timid, upon the daring intruder, with a courage hardly to and it was evidently with palpitating heart that she have been expected from their gentler natures, dropped down from his side to the little doorway, fright and suffering of the agonized parents, would with soft notes of encouragement, he sang to her have been laughable in the extreme. The puny the while, when becoming reassured, she entered little assailants, with their needless alarm, and the upon the discharge of her maternal duties; and great clumsy crow, ducking and bobbing with many from that hour forth continued to perform them awkward manifestations of fear, or throwing up his with all the solicitude and tenderness of a mother. beak and turning up his great black eyes in the How singular! This, then, was the object that took most ludicrous manner, as if deprecating the anger him from his home and helpless young at a moment of his little friends, yet maintaining his ground, and when they seemed menaced with destruction; when when the assault slackened, turning his head awry, the same enemy that had destroyed his gentle mate and proceeding in his investigations with the most might return and devour them. True; but, alas! The scrutiny of those curious they were threatened with another, and to him, far eyes seemed to the little flutterers fraught with more certain calamity. It was against that he must ruin to all their hopes, and, continually renewing provide. Hence his seeming desertion. Cruel susthe attack, it was quite plain, at length, that they picion! How lost in admiration should I have were making the black intruder's position really unwatched his flight, had I known the high moral comfortable. Irritated, it may have been, by the courage that dictated his conduct. Fear for himpertinacity of the assault, or smarting from the self,—he knew it not. Desertion of his offspring; blows that now rained incessantly upon his head, it was farthest from his thoughts. Commending the crow suddenly raised himself, and poising his them with mournful songs to the great Being that beak much as one would a pick, drove it full created them, he had gone forth upon the wings of against the breast of that little half-distracted the wind to obtain that assistance with which alone mother, and laid her prostrate at his feet. Still, he could preserve them. And she that thus came motionless,—without a flutter! without a quiver! at his call, a ministering angel! Who was she? Dead! dead! Yes, the tumult of that little breast In what relation did she stand to this sorrowing was stilled forever! It was a dastardly deed—a family? Where did he find her? How came she murderous deed! And so those great black eyes prodisengaged at this time? Or how came he connounced it, as with a look of conscious guilt, they scious that she was so? These, and many questions melted away amid the clouds, far from the scene of and reflections of similar import, passed upon me, that cruel violence. And he, that little unfortunate as witnessing the marvellous development of a suthat thus survived the desolation of his home, perior intelligence, this beautiful and affecting dishow I grieved with him, as with low, plaintive play of sympathy and love upon the part of creastrains, full of anguish, he fluttered back and forth tures hardly deemed worthy a thought. And then between the living and the dead; now sitting by again, was this an unusual occurrence, or did the lives the body of his murdered mate, now gazing sadly of the feathered race present many similar inin upon those little motherless ones left wholly to his stances? Possibly they might, since but for a mere care. It was indeed pitiful to behold, and withal, accident, this most affecting episode in the history

of these dear little members of our own household had passed without a witness. And then came that oft-recurring question, What is instinct? Here was an exhibition, not only of moral sentiment, but of but could that just appreciation of its influence upon the general complaint of dear bread in the land. the condition of others, or those wise provisions While monopolists and speculators have to bear against its effects? A new light dawned upon me. their share of blame, the farmer is receiving good The meaning of that mysterious sympathy which pay for his labor, and is beginning to be considered had ever drawn me to them stood revealed. A new a useful and even indispensable member of society. charm attached to their innocent lives a moral beauty to their dear selves, far beyond gavety of now generally acknowledged, that the prosperity of plume or melody of song.

East Woburn, Sept., 1855.

THE OLD HOMESTEAD.

When 'er the happiest time is come That to the year belongs, Of uplands bright with harvest gold, And meadows full of songs-When fields of yet unripen corn, And daily gumering stores, Remind the thrifty husbandman Of ampler thrashing floors-How pleasant from the din and dust Of the thoroughfare aloof, Seems the old-fashioned homestead, With steep at 1 mossy roof!

When home the woodman plods, with axe Upon his shoulder swung, And, in the knotted apple-tree Are seythe and sickle hung ; When light the swallows twitter Neath the rafters of the shed. And the table on the ivied porch With decent care is spread-The heart is light and freer Than beats in populous town, In the old-fushioned homestead, With gables sharp and brown!

When the flowers of summer perish In the cold and bitter rain, And the little birds with weary wings Have gone across the main; When curls the blue smoke upward-Up towards the bluer sky, And cold along the naked hills, And white the snow-drifts lie-In tales of love and glory, Is forgot the cloud and storm, In the old-fashioned homestead, With hearth-stone large and warm.

For the New England Farmer.

A PLOW THAT DON'T CLOG.

soil? The soil of the farm on which I am located, used but a few weeks in the year, is a saving to our is a clay loam; in many places the clay predomi-farmers of thousands of dollars annually. Yet there nates. The plows used in this country soon become are inventions thought by a few to be of far greater loaded, so that it is necessary to clean the mold-value than the one just mentioned, which are enboard every furrow; and for this purpose the plow-man always carries a small spade or wooden shovel, somewhat after the manner of the Egyptians. This favor would not only be doubtful but almost hope-takes a good deal of time, and increases the labor less, if they had not the aid of a powerful ally, that

AQUILA.

For the New England Farmer.

ADVANCEMENT OF AGRICULTURE.

Statistics show that while our cities have inmental action, of mental suffering, of memory, of creased rapidly in population for the last few years, reflection, of deductions and conclusions, quite distinct from the received opinions of instinct. The population. The rush for the city has been so great, consciousness of death might well be instinctive, that the tillers of the soil have become few, hence

> Whatever public opinion may have been, it is agriculture is indispensable to the future prosperity of our country. The political and miscellaneous press, all over our land, are rejoicing at the abundant crops, and the present indications of prosperity. The young farmer has the promise of a life of usefulness and happiness to encourage him in his labors; and if usefulness and happiness are the grand objects of life, what occupation offers greater rewards than that of the farmer? There is a class of farmers, that believe in progression and improve-ment in every thing but farming. They follow in the footsteps of antiquity, and if any one suggests a different way of proceeding, they think him non compos mentis. They continue to drain their barnyards into the road—twice a year, all the bones and beeves' feet are collected and thrown into the brook or millpond. They despise new fashioned cornshellers, and say that the old way of shelling corn, with the fire shovel and bread trough, is best. They advise their sons to look to some other business than farming, for a living, if they ever want to become anything, and even go so far as to predict that farming will be abandoned in Massachusetts as soon as the fertile regions of the West are all set-

In view of these facts, is it so much wonder that farmers have lived for fifty years and brought up families of children on good farms that produce little or no fruit? Their trees, that would grow in spite of cattle and neglect, bear very inferior fruit, their trunks are entwined with ivv. and dead limbs are allowed to remain for years, without being removed. It is evident such farmers have had their day; the work of revolution is already com-menced; it is beginning to be asserted that agriculture is governed by the same laws of improvement, as other occupations. This fact has been most emphatically asserted by the mechanic for the past few years in the invaluable machines and improved tools for the use of the farmer. Many of these improvements are so evident, that they have been generally introduced, although strenuously opposed at first by the class, for whose benefit they were invented. Among this class of inventions, Is there any plow made that will not clog in clay may be mentioned the horse-rake, which, although very much. If there is a plow that will clean insists in having their merits fairly, and impartially itself, I should like to know it, and the price. tested. This powerful ally of the mechanic, which lis no other than the agricultural press, is gradually

This is considered one of the most promising signs of the times. Real farmers have taken the matter in hand, and we now have publications that win. The tree originated in Medfield, on the farm are beyond suspicion in the interest of the agricul-off a Mr. Fisher, and the fruit has been well tested turist. The return to the farm of men who, hav-by Mr. Morrison, who thinks it the best apple yet ing tried life in the city and California, have found known. There are no doubts on our own mind that the life of the farmer will compare favorably but it is an apple of very high order. with the rest of mankind, is exerting a beneficial influence. It leads to contentment, which is so essential a requisite to happiness. It leads to improvement, as the men thus returning, in most cases, have not failed to observe that the wealth and prosperity gained by the manufacturer has been attained by the use of all publications and inventions intended for his benefit, and who, believing the has been much discussion and a good deal written same means equally applicable to agriculture, have on the subject of seed potatoes. Which were best not failed to bring them with them. These influent to plant, the large or small? Like every other questions are the controlled to be a small of the controlled to bring them with them. ces are steadily and unitedly at work for the ad-tion, this has two sides to it, and each side has its vancement of agriculture. May they long continue respective advocates. So far as talk is concerned, in their beneficent avocation. YEOMAN.

Brookfield, Sept., 1855.

NEWFOUNDLAND DOGS AT NEW-FOUNDLAND.

[A writer in the New York Herald, who was one of the excursionists on the late telegraph expeconsumers—comparing them by the ratio of nutridition to Newfoundland, thus expatiates on the dogs ment afforded. Then again, it is extremely diffiof that uninviting country:]

Any one who has ever visited St. Johns must have observed the large number of Newfoundland dogs with which its streets are beset. You meet them wherever you turn; they lie across the pathway, and sometimes make their bed in the middle law of nature—that like produces like—this is an of the road; they stand like sentinels at every door, acknowledged principle throughout all the operaand although they never dispute your passage, they look at you with an inquiring gaze, as if they desired to know your business. In winter they are employed by the poor in drawing wood in sledges, for which they seem peculiarly adapted by their strength and docility. Dr. Kane took twenty of them with ones together, the large ones being cut to a very him on leaving St. Johns, as they are said to be as small size before planting. I remember perfectly good, if not better, than the Esquimaux dogs, in well, that my men at the time declared that my exmaking journeys over the ice. A perfect dog mania periment would be a failure; that no field seeded so broke out among our company, and an extensive sparingly as that was, would produce a crop; none trade in pups was opened with the natives. Every of the potatoes used would average over a square person seemed determined to have one, and the inch, while the majority would hardly exceed half consequence was, that we had about as many dogs on our return, as passengers. Dogs of all sizes and ages, from a month to three years old, were carried off unresisting victims into exile. Whatever doubt ed. No extra pains was taken with them, and in there might be as to the purity of the breed, there the fall, the result was over one hundred bushels of could be no dispute as to their being Newfoundland good sized, handsome potatoes. The actual ground dogs, and with many, that seemed to be sufficient. occupied by the crop was not much over half an Two of my friends bought a pair of them, twins, acre, certainly not three-quarters. My men and and named them Telegraph and Cable, in their enneighbors were astonished at the result. Twice thusiasm for the great enterprise. The pure breed, since I have repeated this experiment, and with like it is said, is fast becoming extinct in St. Johns; but results. The last time with whole small potatoes, if I should judge from the large number of "full and during the past week have had them dug, and bloods" that were shown to me, I should be strongly inclined to doubt the truth of that statement.

Morrison's Red Apple.—Our friend, N. P. Morrison, of Somerville, "The Apple Man," has great law of nature would assert its rights, and sent us four of his Red Seedlings. They are more "small potatoes" be the result. beautiful to the eye than any other apple we have

gaining the confidence and favor, of the agricultural seen, and as pleasant to the taste as to behold them. He says the tree is a thrifty grower, and good bearer, and that the fruit will keep as well as the Bald-

For the New England Farmer.

LARGE OR SMALL POTATOES--- \mathbf{WHICH} ?

Mr. Editor:—For years, at different times, there it matters little to either party which gains the day, but in an economical point, as affecting the farmer's purse, it is quite otherwise, and is a matter of some importance which wins. For many years past, this great article of human sustenance has commanded a high price to what it formerly bore; indeed, for the past two or three years, I am inclined to the opinion, that few articles of food have cost more to its cult for families to be economical in their use, their former cheapness has produced a habit of waste in their whole management—though the past few years has produced a praiseworthy change in this particular. I would not pretend to say that the tions of nature. But I do say, that small potatoes will produce large ones, and that pretty uniformly. I have tried the experiment three times, and with

The first time, I used small potatoes and large many of them will weigh half a pound, and a large number of them more, and very few like their parents among them. Now if these same "small potatoes" should be planted from year to year, I do not know what effect it might produce. Probably the

There is no question but what farmers seed this

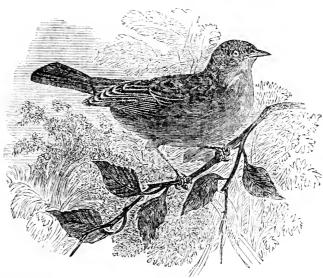
essential erop too heavily, much more than is needed, and much money might be saved to them by while my escritoire is so handy, will venture to do mon sparrow in appearance. The nest is built in

It is this: of saving for seed those parts of the erop which are fairest and come to maturity soonest. The idea is an old one, but very apt to be forgotten, even by the best of farmers—those eareful and shrewd tillers of the soil. By earrying out this plan from year to year, there is no doubt but what, with some crops, several weeks might be gained in bringing them to maturity. Any one with half an eye, cannot but see the great benefit which would be derived from this, and there is nothing improbable about it, but on the contrary, reason and nature coincide with its truth. My motto and advice to the farmer is,—use the head more, and ---- why, the hands none the less. At a future time, Mr. Editor, with your permission, I may revert to this important

matter again. Interdum stultus bene loquitur. King Oak Hill, Sept., 1855. T. Q. Norton.

THE HEDGE SPARROW.

This bird belongs to the order of Passeres (sparadopting the small idea system. It is certainly worthy of more consideration than has been given has been given rows); tribe—Dentirostres; family—Luscinide; to it. Another idea I wish to throw out, though sub-family, Acceitoring. It is one of the commonrather foreign to the intentions of this article, but est English birds, and closely resembles the com-



For the New England Farmer.

BEANS AND POTATOES --- A GREAT YIELD.

Mr. Editor: I give you the following facts which show that the present season amply remunerates the husbandman for his labor and toil, by a varied and bountiful harvest.

Mr. Wm. C. Patch, of this town, has taken from his garden a single bean vine from which he picked and shelled twelve hundred and seventeen beans, all well formed and full grown; the product of a single eranberry bean.

Mr. J. P. Knowlton, in harvesting his potatoes, selected one, called the "Kinsman Red," which weighed two pounds and a quarter, the vines of which measured seven feet in length. The yield is about twelve hills to a bushel. The potatoes are very large and fair, and of an excellent quality. The good quality of potatoes, this season, is a subject of remark everywhere about us. Who can beat this? Hamilton, Sept. 30. Z. A. Appleton.

grasshopper country, we saw thousands of the deep visiters in the Spring, sometimes coming as earholes which had been dug in the earth by the In-ly as February, but in March may be daily seen dians, to entrap their luxurious food. These holes contain about a bushel and a half, and we believe we saw holes enough in Yuba, Butte and Sutter brush that has been thrown into heaps about the brush that has been thrown into heaps about the counties, to have collected fifty thousand bushels of grounds. There, hopping among the branches, ocgrasshoppers. The Indians will grow fat this win-casionally flitting away to the field or the garden, he ter.—California Times.

holes, and contains five blue eggs. Its song is simple and very pleasing, and might prompt one to exclaim with good old Izaac Walton, "Lord, what musie hast thou provided for the saints in heaven, when thou affordest bad men such music on earth."

The common European sparrow is almost domesticated in that portion of the globe, frequenting the habitations of man, even in the midst of populous eities, and nestling under the caves of houses, in holes in the walls, in pots placed for their use, &c. It is of a robust form, and has a stouter bill than the majority of sparrows. In many districts it is so numerous as to do great injury to the grain fields. Its voracity is extreme; neither can its flesh be applied to any useful purpose.

We have numerous species of sparrows in the United States. They are readily distinguished from other small birds by the short, conical bill, with cutting edges, which seems peculiarly adapted to the purpose of freeing seed of the hulls.

The above is pobably the description of an English writer, and we discover in it a pretty good description of our well known and musical little friend, Grasshopper Traps. — In our rides in the the Warbling Sparrow; he is one of our earliest pours out the sweetest song of the early spring,

often, when the March winds are roaring through the leafless trees, or flurries of snow are whitening the ground. But it is where the elements are quiet, tural Society took place at Pittsfield, or, the 3d, 4th and the sun shines brightly into the tangled brush and 5th days of October. All the exhibitions, and around him, that he utters his sweetest notes, and all the exercises of the whole three days, including attracts every ear.

A FLORAL LOVE-LETTER.

to have been written by a young gardener to a lady record such observations as would be beneficial to whom he loved, and with whom he wished to wed agriculturists of other portions of the State, if Whether exactly such a letter was actually written, and sent by the gurdener, we have not the means of knowing, or is it of much consequence. The letter is an ingenious one, by whatever means it came to see the light. It reads thus:

My Rose, Mary:—As you are the pink of perfection and the blossom of May, I wish to tell you that my heart's ease has been torn up by the roots, and the peus of my holm entirely destroyed, since I began to pine after yew. My name is William constructed a building in the form of a T, each part Budd. At first 1 was poor, but by shooting in the ninety feet in length, and about fifty het wide. On the spring, and raising a carnation fast, I obtained a roof is a deck with balustrades, afording space for celery, and by a little cabbaging, &e., I rose to be master (though something like a ereeper) of the whole garden. I have now full command of the sition the trotting, the equestrian performances by stocks and the mint; I can raise ante-mone from a the ladies, the foot-races, the plowing, drawing, and penny-royal to a plum, and what my expenditure all other out-of-door exercises, could be seen. So leaves I put in a box for yew. If I may as a coxfrom this spot was one of the loveliest panoramas comb speak of myself, I should say that I am the ever mysented to the ever Mars the Pontocome flower of manhood, that I am neither a standard ever presented to the eye. Here the Pontoosuc nor a dwarf, a mushroon nor a May pole. My nose comes ambling along through the narrow valleys, is of a turnip-reddish kind, and my locks hang in turning wheels and watering meadows as it flows, clusters round my ears. I am often in the com- and giving examples of animated industry in its babpany of rakes, and rather fond of vines and shrubs, bling course. There flows the Housatonic, enlarged which my elders reprove me for; as I had better both better and strengthened by the concibutions of the Ponand that I have some London pride, and as I am a toosue, and swelling out into the magnitude of a branch of a good stock with a portly bearing, I well river, gladdening the manufacturer's as well as the know when and where to make my bough. So farmer's hopes, and fertilizing the waiting intervals, lett-uce act for ourselves, and fix an early day for green slopes and shady banks, as it winds along, grafting your fate with mine. I am certain that Yonder are the hills on every side. On the north, even when we become sage by thyme. Yew would old Greylock lifts its hoary head, still venerable and be the balm of my life, and I would be the balsam august, but young as when the oldest saw it first, of yours, so that the people who would call us green dashing the battling elements from its sides, as the linow, would call us evergreen hereafter. And now on shakes the night-drops from his impervious mane. sweet peas be with yew; if he who tried it tares me from yew, I shall become a melon cauliflower, and wither away; my tongue will always be a scarlet runner in your praise; for I have planted my hope in yew, and now I only live for the thyme when I may hear from your own tu-lips, that I am your own sweet William, and not your

Weeping Will-o."

Officers of the Vermont State Agricultu-RAL SOCIETY.

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BERKSHIRE COUNTY CATTLE SHOW.

The 45th Anniversary of the Berkshire Agriculthe Ball on the evening of the third day, were on the grounds of the Society. It was our duty, as it was our pleasure, to attend this exhibition as a Del-A late English paper contains a letter purporting egate from the State Board of Agriculture, and to transmitted through the volume which comprises the annual transactions of the Board.

> The show this year was the first under important changes, and new arrangements of the Society; they had purchased and enclosed thirty acres of land, erected yards, stables, laid out and graded a fine trotting course, introduced water in abundance, and some ten or fifteen hundred persons, from which po-There are the hills which circumscribe and mark out the amphitheatre of which these grounds are the centre—their sides covered with the deep forest, or dotted with rock maples, black birch, or groups of hemlock, perhaps the most beautiful evergreen of our climate, as well as among the most symmetrical and elegant of trees. Down the sides of these "Chrystal Hills" pour limpid streams, where sheep and milch cows slake their thirst, and, checked in their course, with gathered strength they turn the wheels that grind the corn, or saw the logs that they have nourished through many years. And now that autumn frosts have touched with icy fingers the trembling leaves, they gleam in colors of every hue, gold and scarlet, purple and orange, each vieing in brilliancy with the other, and forming a richness of shade and coloring never imitated by man, and probably unequalled in any other clime. Nearer, shoot

up the white spires of the village churches, while! The number of neat cattle was not large, or in the rich tones of a bell, or the busy hum of indus- any way remarkable in appearance, and were all of try, occasionally meets the ear. Such is but a feeble the common breeds, or with only a slight admixture portraiture of the spot selected by our Berkshire of foreign blood. Swine were also quite limited friends, upon which annually to gather with their in number, and the show of poultry was not large. wives and children and keep The Farmers' Festi- The horses tried the track, as also did ladies and val. A better selection we have never seen, nor a gentlemen in easy carriages. The arrangement of wiser disposition of all the adjuncts which must sur- fruits, vegetables, harnesses, counterpanes, quilts, round it.

forty-rifth of this time-honored and flourishing So-their whips and words at poverty prices, showmen ciety—a Society which has been instrumental in banged the banjo and stirred up their poor animals continuing and greatly increasing the fertility of the with sharp sticks; while the restless cattle lowed for lovely valleys and the noble hills which are so beau-their stancheons and their evening feed at home! tifully planted throughout the county. An intelli-|So the day waned away. The departing rays fell gent and prosperous farmer remarked, that he had with their soft beams upon the varied foliage on the taken the first premiums in nearly every class of bills, lighting for a few lingering moments, nature's the exhibitions, and was happy to say that he owed great cathedral, the woods, into a gorgeousness of whatever of success and skill he had acquired to beauty, far more splendid than the genius of man the encouragements and influences of this Society! has, or ever can devise. Light faded, men, women The condition of the farms, and the homes of the and children departed; the fandango ceased to farmers, hear evidence of the truthfulness of the move, gloom rested on the hills, few sounds were remark. But in point of seniority, the "Old Berk-heard, but the measured tread of the tired policeshire" must yield the palm to Middlesex. The man as he went his weary rounds, and night was "Middlesex Society" was incorporated on the supreme over the late animated scene. twenty-eighth of February, 1803, by the name of In the language of one of the fast gentlemen the "Western Society of Middlesex Husbandmen." with fast nags," Thursday, the second day, was a It had existed as an unincorporated association, "stunner!" The wind, surcharged with a cold, under the same name, from the year 1794; on the sticky vapor, moved lazily along, clinging to man 24th of January, 1820, it was changed by an Act and beast, like the shirt of Nessus; but the pluck of the Legislature, to that of the "Society of Mid-of Old Berkshire was up, and rain or shine, they dlesex Husbandmen and Manufacturers," and sub-were determined to have a good time. So the sequent to that time—as the manufacturers had little horses were brought out, and encouraged into some to do with it—to "The Middlesex Agricultural pretty lively paces, while the spectators shivered Society," which is its present title. It has now two and took the dismal droppings of about a thousand lusty daughters, one on each side of her, which bid indigo colored cotton umbrellas. The great halls fair soon to come up to the full proportions of the were crowded with men, women and children, who mother, and perhaps, look a little more dressy and examined and commented upon each article about six important than the good old dame herself. But times over, and then counted the number of boards one Agricultural Society now existing within the in the roof and braces in the frame-work of the commonwealth takes precedence of the Middlesex building, and wondered if it never would be done by virtue of seniority,—"The Massachusetts Society raining. But before noon it became evident that for Promoting Agriculture," which was incorporated rain and cold and mud would get the mastery, and in 1792, and whose members were made by the drive them home. The horses dropt their cars and Act incorporating the Western Society of Middle-hung their heads in sleepy listlessness, and indicated sex Husbandmen, honorary members of that cor-the strongest disposition to "turn tail to the wind." poration, and entitled to be present and vote at its Men's hats and coats looked seedy and old; the meetings.

torical matters right, we propose to go on with too close to ankles unused to touch the soil. It was some account of your doings.

ant; the elements were propitious, the roads were mal, and discouraged. Then the hotels, bright pargood, and the temperature so genial as to invite even lors, and inviting sitting-rooms, opened their doors invalids abroad,—and the Fair opened with the most and welcomed tired visitors to their warm and hosflattering prospects. The object of this day was to pitable precinets, while fitful gusts strewed the show all kinds of animals, except horses, that were ground with leaves or drove the rain against the to be exhibited for premiums, and all manufactured glass. A darker night than the first brooded over articles, implements and machinery.

embroidery, capes, collars and skirts, went on in As will be seen above, this exhibition made the the great hall; pedlers made good speeches, selling

borrowed feathers in bonnets hung heavy and mea-And now, Mistress Berkshire, having set the his- gre, while skirts were wofully bedrabbled, and clung a failure. The elements won the race and triumph-Wednesday, the first day of the show, was pleas- ed in it, leaving every mag behind, drenched, disthe earth, and the hills and valleys were alike lost

shire Society.

from the meadows and hill-tops, and once more Young Farmer to one of the handsome, healthy, clapped their little hands in delight in view of the the beautiful silver plate, amounting in value to hunraces that were before them, and so the mothers to whom it had been awarded by the various comwere happy and the fathers glad; the whole world mittees. Afterwards there was trotting on the of Berkshire turned out, the gates were thrown course, and the Fair closed, by a grand ball, in the open, and the Success of the 45th Fair became a evening, in the great hall on the Society's grounds. "fixed fact."

stated that the teams would start at "9 o'clock A. straightened. Thirteen teams plowed, on a gravelly loam, and did the work moderately well. The plows used were all single, and one of them had a east iron beam. There was but one pair of oxen quick in their motions. A pair of black, and a pair of grey horses, were also well-matched, and wellinches in depth, and twelve in width, were required. est commendation. The ground was unfavorable in two particulars—it was ridgy and full of pebbles, so that it would be difficult to make handsome work, even with skilful teams and men.

Then came the riding on horseback around the course, by ladies, and a very pleasant and attractive feature it was—and then the

EXERCISES IN THE GREAT HALL.

These consisted of excellent music by the Longmeadow band, and an address, by the Hon. JULIUS Rockwell, President of the Society. It is a common law in the Society, that the President shall continue to act as such two years, and on the retiring year shall deliver the address, and an excellent law it is. He took for his subject, The thoughts OF THE YOUNG FARMER, and showed first, that the lessons and habits of early life are never forgotten. Then he spoke of his initiatory steps into the art and mystery of farming, such as yoking, and breakwhole;—and of his choice of occupation a little la-the antiseptic or resinous quality of the soil.

in the impenetrable gloom. So the second day ter. He said a thorough training on the farm was closed upon the 45th Anniversary of the Old Berk-|capital to the young farmer, as education is capital to the doctor, lawyer, or clergyman. He spoke of But Friday—who says that Friday is always an the professions, gave a budget of good reasons, for unlucky day ?-Friday morning, bright and early, not going West, painted the autumnal scenery of the sun came flashing over the eastern hills, and New England in glowing colors, spoke of the resent his warm and cheering beams into every nook sources of the county, recited the bounties of the of that rich and lovely valley. Up went the mists commonwealth, then most felicitously married the shone the gorgeous dyes on their sides; the cocks well-educated, and intelligent daughters of the New crowed and strutted in their harems, with unbound- England hills, and closed his address. A brief aded gusto, and geese and ducks, and pigs and horses dress, by the Editor of the New England Farmer, and oxen and calves and sheep, each lent a note so and another by Dr. H. D. Childs, formerly Lieut. as to render the harmony complete! Children Governor of the Commonwealth, followed, and then ride, and ginger-bread and buns, and music and dreds of dollars, was distributed to the individuals

The exhibition of fruits and vegetables was mea-The first exercise was that of Plowing. The bills gre; that of butter and cheese was large, and of the finest quality; of domestic manufactures there was M.," but it was nearly 11 before the chains were a considerable display of carpets, rugs, hosiery, and embroidered work, such as collars, skirts, &c. A few loaves of bread only were seen, and that of quite an ordinary appearance.

The exhibition, on the whole, was one of great which exhibited anything but the most common merit and interest, though in some respects defitraining, and they were also the finest in proportions, cient. There was an evident want of taste and arbeing attentive to the driver's language, strong, and rangement in the articles shown in the Hall, and of punctuality in the time of commencing the several exercises of the day; while the choice of location, trained. The black pair we afterwards saw attached the construction and arrangement of buildings, the to a carriage, where they did themselves and dri-mode of distributing premiums, and the excellent ver as much credit, as they did with the plow. Six butter and cheese presented, are all worthy the high-

For the New England Farmer.

HEMLOCK HEDGES.

Respected Friends:—I should be very glad to get a little information of you or any of your subscribers concerning how to obtain a hemlock hedge; whether to set the young trees, or get it from the I have heard of such a hedge, but do not know how to obtain one easy and right. An answer at your convenience would oblige me much.

South Lee, Sept., 1855.

Remarks.—Either way. But by setting young plants you gain much time. We have seen some handsome hedges of the hemlock. They may be pruned into beautiful forms.

Manure.—If land is too sandy, the best manure is clay and leached ashes. These will puddle it, and render it tenacious of water. If it is heavy clay, it requires sand to render it porous. If it is a muck, ing the steers, and other incidents illustrative of the it requires lime to neutralize the acid, and destroy

For the New England Farmer.

CHEMISTRY---No. 3.

DIGESTION.

interest to the general reader than that which treats quite compact, but generally somewhat straggling, of the laws which govern the digestion of our food.

Digestion is the process of the reduction of our food to its simple state, separating element from element, and reducing all to a liquid state. It is Esq., of Framingham. He says the vine originated no more essential that the chemist in his laboratory in his garden five years ago, from the seed, and was finely pulverize any solid body before he attempts transplanted into a shaded and moist border. The to dissolve it, than it is that our food be well mas- vine grows vigorously, has never been protected in ticated before swallowing. "If the preliminary work of mastication and insalivation be neglected, the stomach has to do the whole work of preparation, it a cross between the native and Catawba, as these as well as to accomplish the digestion; thus more two grew near and intermingled their branches near is thrown upon it than it is adapted to bear; it be-where the new seedling came up. Mr. Clark adds comes overworked, and manifests its fatigue by not in a note,—"I claim nothing for it, except that it is being able to discharge its own duty properly." Hence the necessity of thorough mastication. Food well chewed is half digested, and will do a man before the autumn fruits." He is right. It is certhree times the good that it will, swallowed whole.

Nature has furnished us with all the organs neeessary to complete thorough mastication and digestion, and if they do not perform their duty, the fault is our own. The air we breathe is charged with a certain substance necessary to digestion, (oxygen,) and this is taken up at every breath, and periment with meadow muck, which may interest the carbon returned to the air, to feed vegetation, some of your agricultural readers.

and vice versa.

Dr. Beaumont made some experiments relative Henry Ward Beecher, in Lenox, under the care of to the time it took the various kinds of food to di-Mr. O. C. Bullard, his brother-in-law. gest, and the following table shows the result of the same:

Kind.	How pre- T			no pre- '	
	pared. h		P	ared. 1	
Rice,	boiled,		Pork, salted,	raw,	
Rice, Pig's feet, sou Tripe.	ised, "'	1.	Soup, chicken,	boiled,	3.
		1.	Oysters, fresh,	roasted,	3.
Trout, salmon	, fresh, "	1.30	Pork, salted,	broiled,	3.
"	" fried,	1.30	" steak,	"	3.
Apples, sweet	, mellow, 🧴	1.30	Corn bread,	baked,	3.
Venison, stea			Mutton, fresh,	roasted,	, 3.
Sago,	boiled,		Carrots, orange,	- boiled,	, З.
Apples, sour,		2.	Sausage, fresh,	broiled,	, 3.
Cabbage, with		2.	Beef, lean, dry,	roasted,	, 3.
Codfish, dry,	boiled,	2.	Bread, wheat,	baked,	3.
Eggs, fresh,	raw,	2 .	Butter,	melted,	, 3.
Liver, beef's,	broiled,	2.	Cheese, old stron	g, raw,	, 3.
Milk,	boiled,	2.	Eggs, fresh, har	d boiled,	3.
Tapioca,		2.		fried,	3.
Milk,	raw,	2.15	Flounders, fresh,	"	3.
Turkey, wild,	roasted,	2.15	Oysters, fresh,	stewed,	3.
	boiled,	2.28	Potatoes, Irish,	boiled,	3.
" dome:	stic, roasted,	2.30	Soup, mutton,	"	3.
Potatoes, Irish	h, baked,	2.30	" oyster,	4.6	3.
Parsmos.	boned.	2,30	Turnip, flat,	46	3.
Pig, sucking,	roasted,	2.30	Beets,	66	3.
Meat, hashed	with yeg-		Corn and beans,	44	3.
etables,	warm,	2.30	Beef, fresh, lean,	fried,	
Lamb, fresh,	broiled,	2.30	Fowl, domestic,	boiled,	
Goose,	roasted	-2.30	" "	roasted,	
Cake spange	ter kool	9.30	Yeal, fresh,	broiled.	
Cabbage, hea	d. raw.	2.30	Soup, beef, veget		,
Cabbage, hea Beans, pod, Custard,	boiled.	2.30	and bread,		. 4.
Custard.	baked.	2.45	Salmon trout,	66	
Chicken,	friersseed.	2.45	Heart, animal,	fried.	
Apples, sour,			Beef, old, salted,	boiled	4.
Oysters, fresh	. "	2.55	Pork, salted,	fried	
	broiled,		Cabbage,	boiled,	
Beef, lean, ra			Ducks, wild,	roasted.	
" steak,	66 broiled	3	Pork, salted,	boiled.	
Corn cake,	hakad	3	Suct, mutton,	66	4.
Dumpling, a	ude builed	9.	Veal, fresh,	fried.	
Eggs, fresh,	boiled soft	9.	Pork,	roasted.	, 1
Mutton, fresh	, broiled,	9.	Suct, beef, fresh,	boiled.	
16 16	boiled,	o.,	Tendon,	ooned,	, 5. 5.
	bonen,	ο,	remon,		J,

also ready to speak. S. Tenney.

West Poland, Me., 1855.

A FINE GRAPE.

At the Show at Framingham, Sept. 19, we saw upon the tables a fine looking grape, a little lighter No part of chemical knowledge can be of more in color than the Catawba, some of the bunches and the berries and bunches of good size. They were raised and handed in by James W. Clark, winter, and the ripe fruit holds on well. He thinks a superior native, and in a fine location, it will ripen tainly a very superior grape.

EXPERIMENTING WITH MEADOW MUCK.

I have recently witnessed the results of an ex-

This experiment was made on the farm of Rev.

Last winter, Mr. Bullard was getting out muck from an extensive meadow, for his barn-yard and me. compost heap. As an experiment, he spread a quantity—between one and two small sled loads green for the meadow, upon a spot one rod by two, 15 of a mowing field. It was laid on the top of the snow, and an inch and a half or two inches thick.

This spring he covered another similar space. This is a large field, sloping to the east, that has been laid down to herds grass several years. There 30 is a good deal of the white weed or daisy over most 30 of the field, and there are numerous little spots 30 where the grass seems to be killed out, and which

are covered by a coat of moss.

On the 30th of June, I visited this field to note the effect of this experiment. The spot where muck 30 was spread on the snow in the Winter, is covered with a thick, rank, deep green growth of herds 3.30 grass and clover, and will give at least *two-thirds* $\frac{3\cdot 45}{1}$ more hay than any of the field around it. It can be seen at a distance, like the spots in the field where there have been manure heaps. The ground is perfectly covered with the grass, giving no signs of moss. This luxuriant growth is overtopping the daisy, none of which is yet in blossom, while in all the rest of the extensive fields, it is in full bloom.

The spot where the muck was spread this spring, $\frac{30}{20}$ is distinctly seen; but the crop of grass is not more than a quarter or a third larger than the average

around it.

The result of this experiment seems to show, that 30 the muck spread in the Winter, together with the snow that it was spread upon, operated as a mulch-Do we wish for something light and easily di- ing to protect the roots of the grass from the action gested, chemistry tells us what it is; and if we wish of the frost. None of it is thrown out of the ground for something that will "stick by the ribs," she is or winter-killed. It has overcome and killed out the moss, and retarded, if not in a great measure destroyed, the daisy, and it has also imparted mellowness, and, no doubt, more or less richness to the soil.—Traveller.

PICTURE OF THE DEPARTED.

parted friend?

So thought a lad, a mere boy, of this city, (son of Mr. Jonathan Dearborn,) who had lately lost a if the frost would let it. It was well harrowed, and beloved and beautiful little sister of eight summers. furrowed out 2½ feet apart. I manured it with The family had daguerreotypes of every member horse manure, a good forkful in a hill. Potatoes but the departed, strange to say. And the friends, all but the boy, gave it up, as hopeless.

He insisted that a good painter might, under his direction, and from his recollections, ereate a likeness. And against all advice and remonstrance, he went to Boston on this errand, carrying only a lock of the little girl's hair, and his own vivid, undying mental picture of the loved and lost.

His plan was, to select one feature from one pieture, and another from another, as he could find \$1 per bushel, \$4. them in picture galleries in Boston, and combine and alter the whole, by his dictation to a finished artist.

The artists there admired the boy's enthusiasm, and the owners of galleries gladly made him welcome to their pictures for his purpose; but doubted dle, worth \$1,12½ per bushel. unanimously and disbelieved almost universally, that

a likeness could be thus produced.

At last one artist made the trial; and after days of patient toil, gave it up as impracticable. But the boy's faith stumbled not. He enlisted the friendship of Mr. J. A. Whipple, of 96 Washington street, and procured his services to take a photograph from the unfinished and condemned portrait by the first painter. With this, with the lock of hair, and with his own self-reliant knowledge of the fact to be reproduced, he went to another painter, Mr. Ramson, of 7½ Tremont Row, and stated his case; Ram-July 8, I dug 31½ bush. marketable potatoes, worth 75c, \$23,62 son replied that a portrait could not be obtained under the circumstances, and that he never heard of such a thing; but he at length persuaded him to commence a picture. After working a long time on it the painter threw aside the picture in despair, thinking it was impossible to paint a portrait of one he had never seen, and of whose features he had seen no copy. The boy insisted that it could be done; saving I know I can get such a correct picture of my sister as I desire. By the perseverance, determination and persuasion of the boy, the painter was induced to try again, and in his second attempt obtained a most beautiful and correct picture of the little girl, which has been recognized at once by all who knew her, as an excellent likeness; and which is also a good painting.

The boy has his reward; the artist deserves great eredit for his skill and patience. — Portsmouth

Chronicle.

THE VETERINARY JOURNAL.—We have received the first number of a work with this title, edited by Dr. George II. Dadd, a gentleman whose devotion to veterinary science is probably unsurpassed by that those who keep valuable stock to read his journal. of seed, and profit of an acre of land in potatoes.

For the New England Farmer.

LARGE AND SMALL POTATOES.

Friend Brown :—I send you a statement of results from a piece of potatoes I planted on the 15th What would we give ?-what would we not give, day of April, 1855, on one acre of land. In 1854 in some circumstances, for a good portrait of a de- it was sown with spring wheat and seeded, but did not take seed; so I plowed it on the 13th day of April, about ten inches deep, and some times deeper dropped on the manure, and covered about $2\frac{1}{2}$ inches deep. Description of seed as planted April

Lot $A = \frac{1}{4}$ an Acre.

Planted 2½ bushels small or hog potatoes, worth 50 cents per bushel, \$1,25.

Lot $B-\frac{1}{4}$ an Acre.

Planted 4 bushels medium size potatoes, worth

Lot C—1 an Acre.

Planted 4½ bushels large size potatoes, worth \$1,12½ per bushel, \$5,06.

Lot D— $\frac{1}{4}$ an Acre.

Planted 3 bushels large size potatoes, cut in mid-

They were hood alike and at same time. Land as near alike as could be on an acre of flat meadow.

The Result.

I commenced digging Lot A, July 8th, and contracted to deliver them at Troy for 75 cents per bushel, to be delivered on the 9th, 13th and 14th of July. The small ones I considered worth for hogs 15 cents per bushel. The potato planted is known here as Early White Junes.

LOT A.

I dug $8\frac{1}{2}$ bush. small or hog potatoes, worth 15c,	- 98
Worth of seed planted,	\$24,60 1,25
Lот В.	\$23,35
July 12, I dug 30 bush. marketable potatoes, worth 75c, I dug 9 bushels small or hog potatoes, worth 15c,	\$22,50 1,35
Cost of seed planted,	$$23,85 \\ 4,00$
Lot C.	\$19,85
July 13, I dug 21 bush. marketable potatoes, worth 75c, I dug 163 bush. small or hog potatoes, worth 15c,	$$15,75 \\ 2,52$

Cost of seed planted. \$13,21

Lot D. July 14, 1 dug 24 bush, marketable potatoes, worth 75c, \$18,00 I dug 14 bush, small or log potatoes, worth 15c, -2,10

\$20,10 3,38 Cost of seed planted,

\$16,72

By the above we see that the small seed gave of any other person in the country, and whose the most profit. I have tried the three sizes of poqualifications are equal to his zeal. The work is in cresult in every case but one was in favor of small octavo form, neatly printed and covered, and is potatoes. The above is a small yield of potatoes filled with instructive matter. We wish the Dr. for the quality of the ground, but still the result is and his undertaking abundant success, and advise quite satisfactory, as far as different kinds and sizes

Petersburgh, N. Y., Aug., 1855.

THE BRISTOL COUNTY FAIR.

The Fair continued through Wednesday and a great concourse of people assembled from every part of the county. Under the superintending care of Hon, J. H. W. Pegg, the President of the Society. ety (now an ex-President) everything passed off in the happiest manner.

THE VARIOUS EXHIBITIONS.

The exhibition was opened on Wednesday morning. The location of the cattle show was upon the land of M. B. Penniman, a mile to the northward of Society was held at Bridgewater, October 3d and the town, and although not quite as extensive as we 4th, on the beautiful grounds lately purchased by the think it might have been nevertheless embraced Society, embracing about thirty acres of high and some fine cattle, horses, swine and fowls.

of Fairhiven, and D. H. Leonard of Seekonk, eties would go and do likewise, that they might Sears Hail, nearly opposite the City Hall, was departed the first the exhibition of heavy manufactures, and domestic products. In the latter department to witness the various departments. This lot is about helf a will contain the containing of history departments. there were specimens of butter, cheese and bread, about half a mile east of the village. that would have done credit to any housewife in the a fine display of vegetables.

PLOWING, PRAWING AND SPADING MATCHES.

but two entries-both Irishmen, and singularly was entitled to the prize. enough, each of the valiant contestants took a premium-the one of five dollars and the other of three.

THURSDAY'S PROCEEDINGS.

At an informal meeting of the Society held on was falling fast, a dinner under the tent, as had been showing the Committee a new principle in spading. proposed, would be impracticable, and as there was no unoccupied hall in the city of sufficient capacity for the purpose, it was resolved to dispense with a public dinner. This was the more to be regretted, ing match, but few were able to draw the loads, inasmuch as a sumptuous feast for one thousand which were three and five thousand pounds. persons had been prepared by Mr. S. Horton, of: The show of manufactured goods, dairy products, New Bedford. Such a failure will probably never vegetables, Se., was held in Wright's large tent,

occur again, as two spacious bulls are now in process of construction in this city.

Address by Professor Huntington. Col. Page

For the New Englit 1 Farmer

PLYMOUTH COUNTY SHOW.

REPORTED BY J. F. C. HYDT

The annual Fair of the Plymouth Agricultural low land-hill and plain,-surrounded on three The display of fruits and flowers was held in the sides by the river, which forms a good boundary. City Hall, and embraced a large collection of pears Taken altogether, we think we have never seen so and apples that would rank with the finest in the good a place for a cattle show, and cannot but ad-State, and a smaller a sortment of beautiful flowers. mire the sagacity of those men connected with the Among the contributors of fruit, we especially no-Society who first proposed to buy this piece of ticed the names of Henry H. Crapo, Win. P. Jenny ground for this purpose. Would that other soci-

The first day there was a good show of stock in and a noble pumpkin pie, representatives of the days of our fithers, both of which commanded the unqualified admiration of the tasting committee, and won-prizes for their maker. The show of do-bulls of native stock. There were shown two pens, mostic many places for their maker. mestic manufactures, and fancy articles, was very each containing six milch cows, which were entered comprehensive, and attracted crowds of visitors. It comprised paintings, embroideries, rugs, carpets and quilts. There were ingenious carvings, utensils Bridgewater, the other by L. Bassett, of quilts. There were ingenious carvings, utensils Bridgewater, the color by L. Bassett, of quilts. There were ingenious carvings, utensils manufactured from the teeth of whales, full rigged models of vessels, and a thousand other articles show. The thirty have a small which we have a transmitted to the property of the show that thirty have a small show. which we have not room to enumerate. The show was very interesting, and was admired by all who ground. About thirty horses and colts were on the was very interesting, and was admired by all who ground. Austin J. Roberts, of Lakeville, took the visited it. In the Grotto building, there was also first prize of ten dollars. There were but few fowls, a fine displayed for tables. and most of those were Shanghai or some other worthless kind.

At nine o'clock the first day, the plowing match The plowing match came off at about half-past took place on a fine piece of mowing land, where eleven, on the land of Isaac Chase, Esq., of Belle-lots of an eighth of an acre had been marked out. ville, in New Bedford. Several thousand spectators Twelve single ox teams entered and plowed with were on the ground. There were fourteen entries single plows, except one. Seven inches was the for the trial, and the work was performed in excel-depth they were to plow; time, 30 manutes. The lent style, considering the dry state of the soil. The work was admirably done, showing that the farmers drawing match, or trial of teams, took place at of Plymouth are not behind their trien is of other Hathaway IUII. Fourteen teams took part in the counties in this important branch of ferm work. trial, and the result told well for the discipline of We think we never saw so many lots in which there the oxen and the efficiency and skill of their drivers, was so little difference, and it must have been ex-At a spading match on Wednesday noon there were ceedingly difficult for the judges to determine who

SPADING MATCH,

At 11 A. M., first day-lots, ten feet square.-One Yankee, and three sons of Erin, entered for the prizes. The work was very well done in ten minutes, except by one of the competitors, who look Thursday morning, it was decided that, as the rain about half an hour, being desirous, as he said, of

PRAWING MATCH.

There were several teams entered for the draw-

which was erected on the highest part of the grounds. laid for about four hundred persons. shoe, six feet long, in which 'tis said a boy had ridden satisfied, the president, Mr. Hobart, made a few and driven two horses, the usual quantity of bed-remarks and welcomed the guests, and spoke of quilts, tidies, worsted-work, and a great variety of their standing upon their own ground, of the such fancy articles as the ladies are most interested changes of the past year; they were formerly tenvery ingeniously and skilfully done.

butter, and so good, that it was hard to determine while this year over \$800 was distributed in the who would have the prizes. Cheese, fifteen sam-same manner. After other appropriate remarks he ples, which looked well, and we were told by the introduced the speakers, saying as they had had no looked. The farmers of this good old county have should take the liberty to call on several gentlemen no reason to be ashamed of their dairy products, that he saw present to speak to them. The first The same Committee received the samples of bread, was Rev. Morrill Allen, who was followed by Hon. of which there were eighteen-brown and white- B. V. French, Hon. Seth Sprague, Hon. Ivers which we know were good, for we tasted of several Phillips, Dea. Greele, Hon. R. B. Hall, and others, loaves.

those of large size.

We hope our friends of Plymouth county will excuse us if we say that we hope they will make greater efforts to have this part of their show equal, if not word for the people of Plymouth county, and superior, to that of other Societies.

SECOND DAY.

second day, there being on the grounds, within the and live happy. enclosure, during the trotting, not less than ten thousand persons. There were twelve prizes offered for riding, from twenty down to two dollars. Nine ladies competed and won prizes in the following order:—Mrs. Harriet Holmes, of Bridgewater, first prize, \$20; Helen Hobart, Abington, second prize, \$18; Miss Bailey, East Bridgewater, third jaws, called wolfs? or if there is any cure for the prize, \$16; Mrs. Wales, of Abington, fourth prize, same? \$14; Miss Taylor, West Bridgewater, fifth prize, \$12; Miss L. Howard, West Bridgewater, sixth call necrosis of the bone. Sometimes it is caused prize, \$10; Miss Mary Hobart, seventh prize, \$8; by a blow upon the jaw, sometimes by an ulcera-Miss A. Howard, eighth prize, \$6; Miss Yarring-tion of the roots of one of the teeth. We have ton, South Abington, ninth prize, \$5. The riding known two cases cured by pulling out one or two was acknowledged by all to be good, and the ladies teeth where affected, but this does not always sucappeared to good advantage as they dashed round ceed. As a general thing, it is best to fatten and the track—half a mile in length—leaving, in some kill the animal, as it would involve too much excases, the gentlemen far behind. On the whole it pense to attempt a cure by operation for necrosis. was a spirited affair, though perhaps some sensible —Maine Farmer. old farmer might have asked, how does this tend to promote agriculture?

THE DINNER.

tents, where seats were arranged and plates were lent address, beginning "All flesh is grass."

Of manufactured goods, the display was extensive, was a good one in every respect. After full justice consisting of elegant furniture, seraphines, a large had been done to the eatables, and all were fully in, a platform bee-hive, by S. Davis, said to be a ants at will, but now the owners of the soil they perfect protection from the bee moth, "Gale's Eagle stood upon; he thanked the ladies for their attend-Hay Cutter," which worked admirably—a piece of ance, said they had not been accustomed to see more black walnut, sawed out with an upright saw, and than half a dozen present on similar occasions, but was rejoiced to see hundreds instead of dozens. He Of dairy products, we are happy to say there was referred to the past—the first year of the Society's a good show, there being twenty-one samples of existence, when \$120 were given in premiums, Committee that they tasted even better than they address, such as is customary at these gatherings, he until the time arrived to announce the award of In the vegetable and fruit department, there was premiums, which was done at the table; and this a great deficiency, which we hope will be obviated closed the day's work and entertainment. We on future occasions. Among other things, we no- noticed on the grounds a splendid team from the ticed a seedling pear called the "Jackson Seedling," State almshouse, under the direction of L. L. Goodwhich looked and tasted well, being little if any in-speed, made up of four yoke of oxen and a horse, ferior to the Bartlett, and promises to be an acqui- The wagon was decorated with a large flag behind, sition. A new seedling grape, from Rob't Perkins, and a beautiful banner in front, on which was paint--said to be from the Isabella—called the "Perkins ed the State almshouse; the sides of the wagon Seedling," though not quite as good as the Isabella were hung with monstrous vegetables, which show or Diana, yet we think desirable on account of its that, though the farm when purchased was in a poor early ripening. A sample of cultivated cranberries, condition, yet by judicious treatment is made to yield of superior size and quality, the largest we ever saw. great crops. He told us they would have five thou-Baskets of assorted fruit that attracted considerable sand bushels of roots this year of all kinds. We attention, were contributed by Robert Perkins and think the State very fortunate to get such a man to Mr. Bryant. Of potatoes there was no lack, and take charge of these matters, and we hope and believe it will be long before they will wish to part with him.

And in closing, we cannot help speaking a good Bridgewater in particular; they know how to treat strangers well, and we should be glad to call names and return thanks to the persons, had we not been The riding match was the great attraction of the forbidden to do so. We hope they may live long

WOLF ON THE JAW.

Mr. Editor:—Will you or some of your cor-A Šubscriber.

Note.—"Wolf" on the jaw is what the Doctors

The receipts of the New York State Fair at Elmira were nearly \$12,000—larger than ever be-The tables were spread in another of Wright's fore. Gov. Wright of Indiana delivered an excelFor the New England Farmer.

FEEDING AND TENDING HORSES.

munications in your paper of the 8th, respecting rate workman, who will fit the shoe to the foot, not horses, I will state a few general facts as succinctly the foot to the shoe—if there is any thing I would

definite sum can be given—some horses requiring foot, burning it into the horn, &c. No good can double the feed that others do to keep in same con-result from such a practice, notwithstanding all the dition-work equal. A horse in good health, not smithy arguments to the contrary. The most suover-worked, will consume say from 100 to 150 perficial observer will see on a moment's reflection, pounds of hay per week, and from 6 to 12 quarts the fallacy of such a lazy proceeding. Horses inof grain daily. As a general thing, horses, espetended for road service only, need no caulking excially in cities, have too little hay and too much cept in freezing weather, and if they overreach or grain, while those in the country have too much interfere, the shoes can be adapted so as to almost hay and not enough grain, and that served irregu-entirely do away with these troubles. larly, that is, when not worked, or but very little, Wash your horse's feet once every day if possino grain is given, only hay, and when worked much, ble, (but not his legs) to promote a healthy growth grain. A horse should have a certain amount of of horn, &c. If salt water be used some two or grain every day, say when worked a full feed of three times a week, I will guarantee your horse will corn meal or outs with hay, but when idle or work not be troubled with thrush or other foul disorders very light, some two quarts (not more) of oats at a of the hoof. feed three times a day. I would remark, however, that a horse should be exercised every day if possible, and if the weather be inclement, well hand-rubbed on his return. Make but as little use of I would advise any one in search of a horse espethat barbarous instrument, the curry-comb, on the cially for the saddle, to buy one "already made." horse's hide as possible (especially if he be a thin-I once knew a resident of a suburban town who skinned animal,) but use the brush and rub with was determined, as he expressed it, "to have a horse straw, sackeloth, or some other coarse material as no one had ever held a rein over." He had a much as you please. Do not have the least fear very fine old mare from which he obtained a most of over grooming.

great benefit, allaying any internal inflammation (to which the horse more than any other animal is sub-one some one else "had held a rein over." If "Inject,) keeping the coat glossy, free from dandruff, quirer" is determined to raise a horse, however, if it appetizing, &c., &c. Cut feed, (i. e. cut hay and should not prove good, he could sell and buy to his corn meal) once a day in the morning, and "long" hay and oats at noon and night, is a very good way of horse for the saddle should be used for nothfeeding a horse accustomed to the general run of ing else, (not in a vehicle part of the day, and sadweek by adding some two or three quarts of bran should be as quare trotter, hard mouthed, short en, seald it well, and this, with the addition of a litback, round barrel, and weigh some 900 lbs. when the table salt, will be found much preferable to meal not swollen, more fattening, easier digested, &c. Of course it must be cold before given to the horse. Latter article of forture they are constantly watching and hope are more liable to stumble &c. A

For a horse used only on the road, I would ig- he be anything of a decent beast. nore meal altogether especially in warm weather, and feed only on uncut hay and oats enough to only, and when the horse is not walking, always keen the minute in contract hay and oats enough to only, and when the horse is not walking, always keep the animal in good working order. The Tex-keep a taut rein. Horses are or always should be an and Mexican horses perform long journeys with bitted when broken, but it has but little effect when great ease and their only feed is grass, hay or the animal's habits have become confirmed. straw-no grain. They are not beauties to look at, it is true, but for bottom our best Northern horses horse step short is to use him constantly in some marked, will consume less than young ones.

2nd. As regards that most important point, shoeing; ten dollars used to be the price charged by smiths for shoeing by the year. But I think it the Mr. Editor:—In answer to the two several com-better way to pay as you go, employing only a firstprotest against with all my power, it is that barbar-1st. As regards the cost of keeping a horse; no ous custom of applying a red-hot shoe to a horse's

In answer to "Inquirer," I would say that a colt promising colt; but alas, after keeping the animal A little fine salt, say from one to two ounces, giv- some two years, a cow in the same pasture hooked en to a horse daily in his grain, will be found of the poor colt's eye out, and my friend never at-

work. This may be varied two or three times a dle part,) but kept exclusively at one service. He week by adding some two or three quarts of bran should be taken young, say from four to six years Cut feed is very good for horses accustomed to very hard labor which have but little time to stand at horse used every day, or as often as practicable, their food during the day, as they can consume a under the saddle, by one person only, will soon get greater amount in a less time, and the hay being accustomed to his rider, his motions, &c. No exercut does not require so much mastication as uncut, eise is more enjoyable, none more healthful, than and a horse with a sharp appetite will eat his grain when taken on the back of an animal used to the voraciously, swallowing a large proportion of it saddle. The rider should not wear too long a stirwhole, and which does the animal but little good, rup, but support himself in part by his feet, adaptpassing through the system entire. Cut feed is aling his motion as much as possible to that of the
so good for horses which are large feeders but do horse. All the training a horse needs for the sadlittle training a horse needs for the sadnot retain their food, evacuate frequently and exces- dle is to have an intelligent rider, who will conform to his motions, which the animal will reciprocate, if

The only way we know of to make a long-gaited must stand one side. Old horses, it may be re- heavy vehicle, say an omnibus or stage, but we fear no permanent change can be produced. A horse or unnatural gait will worry the animal and produce a ton of elover hay. bad results.

el horse:

"Round-hoofed, short-jointed, fetlocks shag and long, Broad breast, full eye, small head and nostrils wide, High crest, short ears, straight legs and passing strong, Thin mane, thick tail, broad buttock, tender hide," &c.

One word more. We do not pretend to say that what we have written, in regard to feeding a horse especially, should be strictly followed. What may be good for one may be bad for another. The owner must have an eye to his horse, and if he thrives best on corn, give him corn, - if on oats, feed with oats. Some horses do best at heavy work, some at light. Had I space, I could cite a thousand ble form for the use of such crops as may be planted instances—I will name one or two only; a gentleman had a fine horse which he used in a chaisework light—feed high—careful driving—still the horse grew poor; he was sold to a butcher who a chaise horse which was sold on account of his poor looks to a negro-drayman. I saw the horse after the drayman had had him some five or six months; he was as fut as could be. Inquiring the cause of his improved looks, the negro told me that he had fed the horse since he owned him on good hay, swill and one quart of whole corn per day—no more—groomed him well, worked hard but slow.

I might extend this article if I thought it would be acceptable. The subject is a prolific one. If you would like to hear more from me, please signi-S. W. C.

THE STUFF THAT CLOVER IS MADE OF.

able aids to the farmers of Maine that they have.

ations are such as might be expected from the differ-chit-chat may be enjoyed within, it seems hardly ent circumstances of growth, &c.

ashes, he found that one hundred parts of these proachable dignity, or being thought very studious ashes contained almost twenty-three parts of car or literary.—Andover Advertiser. bonie acid, and little more than one part of coal

He then examined what was left, after deducting out the carbonic acid, and the coal and sand. He who have or may hereafter have horses that have found that 100 parts of this last contained 16 parts poll evil or fistula, I would say, don't sell the 1 thousandth of another part of potash—that is, a animal for a trifle, or give him away; but cure him hundred pounds would give you over 16 pounds of sound and well. I care not how long it has been potash,—soda, over 40 pounds,—magnesia, over 8 running, it can be cured with one dime; yes, one pounds,—chlorine, 2 pounds,—phosphorie acid, dime's worth of Muriatic Acid will cure the worst nearly 4 pounds,—sulphuric acid, over 1 pound, case of old poll evil. First, wash the sore well with silica (flint) 2 pounds.

will travel in a way the most natural and the easiest | 100 pounds of the clover itself to make 11 pounds to himself. Man may force him to earry his head of ashes, or eleven hundred pounds of the clover to high, step short, &c., but if he be inclined to carry make one hundred pounds of ashes. According to a low head, step long, &c., nature will assert her this, the above amount of articles are to be found supremacy after a while; besides, a forced carriage in eleven hundred pounds, or a little more than half

From this it would seem that ashes which con-Shakspeare in "Venus and Adonis" draws a mod-tain potash—plaster which contains lime and sulphuric acid,—and salt which contains soda and chlorine, would make good fertilizers for clover, and experience proves that they are. These are the mineral ingredients, but elover also contains gum and sugar, which may be resolved by analysis into carbonic acid, oxygen and hydrogen, much of which it obtains from the atmosphere.

In plowing under clover we return to the soil a substance or dressing which has collected and packed away in its systems or organs, a large proportion of the ingredients above named, and which, when the clover decomposes, gives them forth in a soluin its place and may need them.

The wheat erop requires most of the same ingredients, though in different proportions. The corn crop (Maize) requires a large proportion of potash, light cart—the animal soon began to improve, and clover which has been a dressing. Hence, looked, before long, as fat and sleek as a seal; the looked, before long, as fat and sleek as a seal; the obtain from the atmosphere many of the gaseous work agreed with him. I know another instance of materials necessary for its formation, and by its deep and strong spreading roots can gather from the soil mineral matters, changing and elaborating them into different combinations, is well fitted to be an agent in a system of rotation, and becomes an improver when properly used for that purpose, either when fed to cattle and then manure used therefor, or when plowed under as a green crop.—Maine Farmer.

READING IN THE CARS.—Thousands are probably to-day suffering from this evil without mistrusting the cause. If we rightly consider the ever tremulous motion to which our bodies are subjected in the movement of the ears, we can hardly wonder The clover plant, when properly cultivated and that the delicate organism of the eye should be inproperly used, may be made one of the most valu-jured by incessantly striving to trace the outlines of the minute elements of a newspaper, novelette, or It is good for feeding animals, and it is good for badly written sermon. If the sun was always in a feeding the soil. This makes it very valuable, similar tremor, even the keen eye of the eagle would Let us see what stuff it is made of. Various analy-soon tire of looking it in the face, or lose its sight. ses have been made by different chemists, and the While so much landscape beauty lies outstretched general results are very much the same. The varifrom the car windows, and so much kind, social worth while to waste so valuable a piece of personal The most recent analysis, we believe, is that of property, as the eyesight, for the sake of forestalling Professor Horsford. After burning the plant to a little morning or evening news, sustaining unapproperty, as the eyesight, for the sake of forestalling professor Horsford.

strong soap suds, then drop eight or ten drops of We have stated these things in the rough, and the acid in it twice a day, until it has the appearyou must remember that it is one hundred pounds ance of a fresh wound; after which, it should be of the ashes, and not of the clover itself. It takes washed clean with suds made from Castile soap, and left to heal, which it will quickly do if the acid has been used long enough; but if it does not get well, apply the acid again until it does cure, for it is a sical and beautiful? sure remedy, and will not fail if it is applied until, the diseased flesh is all burnt out.—Prairie Fur-

SAVE YOUR BEST SEEDS.

Now is the time to be careful and save your earliest and hest seeds. Most people are negligent or dilatory in regard to this matter, and they are forced to send to seed stores at planting time to find something that will answer for seed. But how often are they disappointed!

Save the earliest and best seeds. Much depends on this. Our summers are not always long enough and hot enough for the ripening of that invaluable crop, Indian corn. We should therefore select the earliest ears, and these are found in the field, where

not half the ears have yet matured.

By selecting the earliest from year to year we gain a number of days, and when we already have a favorite kind of corn, this is better than to send annually to the North to procure earlier kinds, for such are usually much smaller than that from which we harvest our earliest crops.

Pluck the best ears while the corn is standing, and as soon as they have turned hard, draw down saving saving seed corn-stooking corn, the husks and make a braid of them. Then string the string to the string the string to the string up a dozen together in your corn-barn, and you will vesting corn, and I have a few leisure moments to

seed.

article in the market. We have not yet learned erally known, or at least thought of. It is a law of that rot or disease has attacked them, and yet their nature that like begets like in all the vegetable kingprice in the market this season has exceeded four dom. This being a fact, I base my remarks upon dollars a bushel, four times as much as they were it. Wherever you find a stock of corn that has two sold for a few years ago. It is quite important to ears on it, there you will find that the top car is procure early kinds of white beans, as thousands of from four to eight days earlier than the second, or bushels are lost by the frosts of September.

is a long time to April, and you may forget the and let every farmer who reads this, go through his kinds unless you mark them. The cost of a box fields of corn, and select one ear from stalks that with several apartments is not great, and the time have two cars on them, always selecting the top car,

having good seed.

want of good seed. Yet any farmer may as cheaply to ten days earlier than the bulk of the field. raise a supply for himself as to run to seed stores! save enough from their own gardens.

portant to sow good seeds only, or to use no seed-

seeds, and never make vigorous stocks.

good seeds. Pomace may be put in a large tub stook it. of water and beat up so as to let the best seeds fall. In thi as in the spring.—Ploughman.

NOTHING LOST.

Aside from its excellent moral, is not the following very mu-

Nothing is lost: the drop of dew Which trembles on the leaf or flower, Is but exhaled to fall anew In summer's thunder shower: Perchance to sparkle in the flow Of fountains far away.

Nothing is lost—the tiniest seed By wild birds borne or breezes blown, Finds something suited to its need, Wherein 'tis sown and grown. The language of some household song, The perfume of some cherished flower, Though gene from outward sense, belong To Memory's after-hour.

So with our words: or harsh or kind. Uttered, they are not all forgot; They have their influence on the mind, Pass on-but perish not. So with our deeds: for good or ill, They have their power scarce understood; Then let us use our better will, To make them rife with good!

For the New England Farmer.

Dear Farmer:—As this is the season for harnot need to run to Boston or to a neighbor for spare, I will give you my views upon this subject.

1st. In selecting seed for next year's planting, White beans have now become an important there are some facts, which, perhaps, are not genbottom ear; there being this difference in the set-Peas also should be saved now and labelled, as it ting of the ears. Now is the time to select the seed, saved is important, in addition to the confidence of providing it is a sound one, and well filled out. By going through the field before the corn is fully ripe, Carrots, parsnips and turnips, often fail for the the farmer can easily select ears that are from eight

Acting upon the fact that like begets like, the farin the spring and buy he knows not what. It is mer not only gets seed that will in two or three rather surprising to see how many farmers resort years, produce stalks that will grow two good sound to the city to buy seeds, when they can so easily ears, but he will advance his crop some ten days; and in this climate, where we have frosts sometimes In the rearing of apple and pear stocks it is im- in August and the first of September, it is of vast important to sow good seeds only, or to use no seed-portance to the farmer to be able to advance his lings to place in the nursery rows except those of crop ten days, thereby securing a sound crop. These the first growth, for those that start up in the seed-facts are self-evident; they need no labored argubed the second year come from poor and blasted ment to make them plain, for they are perfectly reliable, and cannot be denied. There is quite a dif-This is the reason why we are so often cheated ference in opinion among good farmers even, in rewhen we buy seedlings out of seed beds where gard to harvesting the corn crop. Some contend pomace has been sown to rear them. It is a better that it is the best way to "top stalk" it, and when the mode to sow only the full seeds instead of sowing corn is sufficiently hard, to pick it. Others contend pornice, in which there will be as many blasted as that you will have more corn to "cut it up," and

In this town, (Northfield, Mass.,) both ways have to the bottom. These seeds must then be placed been thoroughly tested, and the prevailing opinion in loam to keep them moist enough for vegetation, now is, that cut up corn is not only the safest, but, They must be sown in the fall, in October, as well that the yield is from five to ten bushels per acre more than when the stalks are cut.

I have noticed that many farmers, when they wish to sow rye after corn, will cut up the corn and stook it upon grass ground. This is wrong, wholly wrong; and those who practice it are sure to have a much their corn on ploughed ground. Where there is so much green vegetation and moisture under and around the stooks, it never dries off properly. These are facts, and if these few lines shall induce even one man to follow them out, I shall be amply paid for writing them.

H. Stratton. Yours truly, Northfield Farm, Sept. 15th, 1855.

For the New England Farmer.

WHEAT---HIGH PRICES.

Mr. Editor: Your issue of this morning touches upon the high prices of flour and grain, by a correspondent, "N. Q. T." In the main, I perfectly agree with him; but how far such complaints fruit, tells me that these worms are what the woodare justifiable, I propose to look at, and also to pro- peckers were after when they bored those little holes pose a remedy in part, which lies in the hands of into the bark, which used to be considered as con-New England farmers.

ing a heavy demand upon us for flour. With no stroyed these birds, he says we must cut out the old stock and a short crop, they are knocking at worms with a knife, or they will kill the trees. They the door of our granary, and will continue to do so have made bad work on several of my trees, espectill the end of the war.

principal competitor in the markets of Europe. It some cases. is not so now. She is at war, with every port embargoed, and her tens of thousands of farmers are their ravages? bearing arms for their country, eating up her crops woodpeckers! and producing nothing. Should France, England, and other parts of Europe call for bread (as they are calling) to what country can they flee but to the United States?

This is the primary cause for the now high price The farmers of the West are posted in all these matters, and like the farmers of the east, when the demand for hay or apples is great, they make prices to conform. Speculators are not swift enough in the race—the benefit enures to the farmer, he not being forced to sell. Unexpectedly to all, our "overwhelming crop" will be disposed of at high prices.*

Now, does all this open a book of lessons for your New England farmers? Lands they have in abundance, but their wheat grows in Wisconsin rye, oats and barley are every farmer's home crop,; but within the past four years he has eaten bread ranean. Should this be so? Perhaps that year of scarcity in the West, would have proved one of abundance in the East. But a doubting mind nevexpect to reap?

Ninety-four bushels of winter wheat were raised on less than two acres of land on Milton Hill (near Boston,) by S. F., Jr., Esq.; yet the farmers ridiculed the idea of his trying to raise wheat. Providence has furnished you with spring and fall grains, but the agricultural conclusion is that the "soil has lost its lime," and it wont grow. Late as it is, if I were a farmer, I would put down some wheat, and try a remedy for high prices.

New York, Sept. 22.

For the New England Farmer.

APPLE TREE WORMS.

In the Farmer of week before last a corresponlarger quantity of soft corn, than those who dry off describes just such an affliction or disease as has atdent asks, "What ails the Apple Trees?" and then tacked my trees. He says that in his examinations he found but one worm; and by his remarks I conclude he suspects the trouble to be the effect rather of the wash he had used, than of the worm. But as I find plenty of worms, and as my trees have not been washed at all during the two past years, I cannot agree with him in that conclusion. I find on my trees spots of dead and sunken bark, from the size of a button to that of half the diameter of the tree in width and a foot in length. The worms are in and under the live bark. The largest are about one-third of an inch in length, and of a reddishwhite color, but many are much smaller.

Mr. Horatio Symms, of this town, a man of much experience and observation in matters pertaining to clusive evidence that the peckers were destroying In the first place, Europe is at this moment mak- the orchards. Now that we have driven off or deially where they have found a lodgement at the fork Russia has ever been a large exporter, and our of the branches,—almost entirely girdling them in It mutilates the tree sadly to cut out the worms; is there no other way of preventing Would that we could call back the

Winchester, Sept. 24, 1855.

For the New England Farmer.

HARVESTING CORN.

I perceive, Mr. Editor, that Mr. J. Underwood, of Lexington, does not agree with my suggestions, as to the best mode of harvesting the corn crop. It is a subject upon which I could hardly expect an identity of opinion, for there certainly is a wide difference in practice. I was, myself, schooled in the somewhat "old fogie" practice of cutting off the stalks of corn, one by one, in order to save them for fodder, and to give the ears a fair chance of ripening in the sun. But I found that this practice involved a degree of labor greatly beyond that of harvesting the entire crop by cutting it up with a sickle. I was therefore led, somewhat reluctantly—for I had from eargoes of wheat imported from the Mediter-Underwood, to try the experiment of cutting up the crop, after the corn was out of the milk, and the leaves had partially turned, binding it in bundles, er makes progress. If we never sow, how can we half an acre alconomic of a court to reap? half an acre, alongside of an equal quantity harvested in the old way of cutting the stalks. There was no perceptible difference in the appearance of the corn thus harvested, after husking it, or after it was ground into meal. Both sorts made equally good bread, and there was no evidence of a difference in the quantity of nutritive matter. The "stover" from that portion cut up with a sickle greatly exceeded in quantity that where the stalks only were cut above the ear. The labor of harvesting was at least twice as great in the latter case as in the former. I have tried the experiment repeatedly since, and I have found no reason to change the views forced upon me by the first experiment.

^{*}Six thousand barrels of flour are daily consumed in this city, quite an item in the national bread-basket.

I beg to assure Mr. Underwood that I have several times harvested my "pop eorn" in the same way, and have found no difficulty in making it "pop." have some ears plucked and dried before they were fairly out of the milk. The kernels are somewhat port thereof, if he keeps an open ear towards Somerville. E. C. P.

For the New England Farmer.

LITTLE THINGS:

Or, a Walk in My Garden....No. 4.

Walking in my garden is almost a passion with me. If I want to digest my dinner in a quiet way, a walk and a survey of what is growing in the garden, I find to be much better than a nap. Besides, the grassy valleys of this beautiful town of Framing-it is an excellent place for meditation. To-day I ham. was looking at some

But I want to tell you what I do with my

PLUM TREES.

Instead of budding, in which I have not been very successful, I graft up every shoot, which should be done near the ground, though I do not always practise it, and as early in spring as possible. Stocks noble art. Below we give a more particular account of the common damson and Canada plum are good from the Boston Journal. for this purpose. I find they usually commence bearing the third year. One stock has made a growth of nearly six feet the present year. Almost wherever I go, I see plum trees raised from suckers twenty-five pens. The show of neat stock was large and of fine and its. We noticed in one near a Doof the common damson, which never bore, and nev- and of fine quality. We noticed in one pen a Deer will, that might be easily grafted with improved von cow and heifer belonging to J. Burnett, Esq., kinds, and immediately brought into bearing.— Southboro', which, if as good at the pail as in ap-There is in this village a large tree of the Canada, pearance, must indeed be valuable stock.

Mr. Buckminster, of the Ploughman, had twenty-it was grafted, a few years since, and has the pre-nine head of stock of various ages in one pen, nearly large through the property of the property of the pail as in apsent year a heavy burden of the Washington plum, all of which was Devon blood, bred from a bull Such a crop of plums I have never before seen on owned by him for several years. Some of the cows one tree. I noticed that the curculio did not touch and heifers were very symmetrical and beautiful in my McLaughlin plums at all, this year. But I form and color. Mr. Buckminster has given much want to ask a word about my

ASPARAGUS.

Is it any injury to keep the stocks cut during the season, so that it shall not go to seed? I have given about twenty crops of it to the pigs, this season, so that it shall not go to seed? I have given about twenty crops of it to the pigs, this season, see heifer and calf in the same pen, all of which are and they love it as well as I do: but does it not and they love it as well as I do; but does it not fine animals. A fine Durham cow owned by Abrahave the tendency to throw out many small shoots, ham S. Taber, Holliston, attracted much attention at the expense of larger ones? A word more about for her fair proportions. Some good native cows were

BARBERRY.

Several persons in this vicinity have cultivated marks of being a superior cow. clumps of this shrub, but it never fruits. What is the reason? Is the ground too rich?

Bethel, Me., Sept. 20, 1855.

N. T. T.

MIDDLESEX SOUTH AGRICULTURAL SOCIETY.

The Annual Fair of this Society commenced on Wednesday, Sept. 19th, at Framingham Centre. smaller, but I fancy, that, when the popping time The first day was devoted entirely to business, the comes, Mr. Underwood will be able to hear the re-arranging of stock, and to examinations by the judges. The weather was as agreeable as could be imagined. The rain of the preceding day had laid the dust, washed the grass and leaves, and imparted to the air a delicious freshness and elasticity which seemed to animate all. So men, matrons and maidens thronged to the delightful scene from every possible avenue—from over the roads, through the green lanes, down the pleasant slopes and along

This was the second Show of this young and vigorous Society, and was successful, we believe, in which I set out in the spring for greens and for every department. There are few towns in the seed. I have, for several years past, had the eurios- Commonwealth affording so many facilities for impulling off all the shorts, save one or two, and they proved husbandry, and containing so many individwill head out without any trouble, and earlier than the seed. I think that next spring I shall from the seed. I think that next spring I shall from it. Mr. BUCKMINSTER, the editor of the take the stumps of the Early York cabbage, set Massachusetts Ploughman, has long resided there, them in a soil well manured with old compost, and and has given an impulse to the region around in have cabbages earlier than the doctor, or anybody his numerous good examples in almost every deelse. Another thing I have done. I commence in his numerous good examples in almost every de-August to pull off an armful of the outer leaves partment of the farm. Major Wheeler has also every day, and give them to the pigs, which eat done much in his practice as well as precepts for them greedily; and I never could perceive that it thorough cultivation, and towards ornamenting the prevented the cabbages in the least from heading. town with fruit and shade trees. Messrs, H. G. and A. S. Lewis are both doing a good work, partieularly in stock. Messrs. J. S. Wheeler, Abner Haven, James W. Clark, J. W. Brown, and others in the town, are actively engaged in promoting the

attention to Devon stock, and is laboring with much assiduity to introduce it in New England, as well suited to the climate and soil.

to be seen; we noticed one belonging to Obed Winter, Framingham, which though small, had all the

A large quantity of calves and heifers were in the pens, also several bulls. One belonging to W. G.

Lewis, Framingham, of the Alderney blood, is a for the prizes. The teams performed their work in superior animal. A full blood Devon, owned by J. a very satisfactory manner, Burnett, Southboro, attracted much attention. A After the plowing match Jersey bull, full blood, in the same pen, and owned exercised upon a heavily loaded eart. by the same individual, is a fine animal. There were many other bulls within the pens, but our limits forbid a further notice.

forty or fifty voke being on the ground.

butcher.

Suffolk breed had more representatives upon the ground than any other, and some of them, from farmer. the laws of his fathers.

We noticed some twenty-five coops of chickens, ducks, geese and turkeys.

EXHIBITION IN THE TENT.

The bread The display in the tent was very fine. We noticed and butter department was excellent. twelve samples of butter, besides bread sufficient in

a quantity of pickles, preserves and honey.

The display of vegetables from the kitchen gar-isfaction of the audience. den was equal, if not superior, to that in the Hortithe fruit department would also bear a fair compar-Time and space would fail us to note the nounced. many fine squashes, pumpkins, varieties of potatoes, cabbages, and other vegetables, and the pears, ap-tractions at Worcester, was very large, and the fair ples, peaches, plums, grapes and cranberries upon was in all respects highly successful. the tables. Pomona has many admirers in the South Middlesex Society, and they all come full handed to spread out specimens of her bounty, to the admiring gaze of the thousands who congregated at the Fair.

The exhibition in the miscellaneous department was not very large. We noticed a variety of stoves, washing machines, and other articles, which we cannot notice in detail.

NEEDLE WORK AND FANCY ARTICLES.

One long table, extending the entire width of the tent, was devoted to this department. We noticed a large quantity of hosiery, crochet work, counterpanes, wrought ottoman covers, slippers, artificial number of shoots to reach the outside. Hedges flowers and paintings.

PLOWING MATCH.

plowing match, which was held on a field belonging agreeable necessity, for then all shelter is gone at to W. G. Lewis, Esq., on the "Lawn Farm"—truly once, whereas this would very seldom be necessary a beautiful farm, situated half a mile west of the de-lif the hedge was kept in a pyramidal shape, for then pot. The stars and stripes floated gracefully in the morning breeze above the ground lotted off for the plowing. The soil was a sandy loam, free from top.—d Northern. [This is excellent advice, but stones, with considerable sward. Six single ox we are concerned to hear that our north-country towns local superstant of the stars and stripes floated and stripes and stripes for the ground equally young and growing as those at the plowing. The soil was a sandy loam, free from top.—d Northern. [This is excellent advice, but stones local superstant of the ground equally young and growing as those at the plowing. teams, besides several double ox teams, contested friends stand in need of it.—Eng. Paper.

After the plowing match, the working oxen were

THE BANQUET.

At one o'clock six hundred ladies and gentlemen The show of working oxen was also good, some sat down to a splendid banquet, prepared by the well try or fifty yoke being on the ground.

| String of the following oxen was also good, some sat down to a splendid banquet, prepared by the well known caterer, J. B. Smith. It was served in one-The exhibition of horses was confined almost half of the spacious pavilion, which had been divided wholly to breeding horses and colts. We noticed for that purpose. After the company was seated, many good animals, but none worthy of particular the divine blessing was invoked by Rev. Mr. Childs, after which, the company regaled themselves upon We saw but two pens of sheep, and those not re- the bountiful repast. After the eatables were dismarkable for fineness of wool or as inviting to the posed of Professor Huntington, of Harvard University, was introduced as the orator of the day, and an-The swine department was well represented, fif-nounced as his subject, "The Culture of the Cultivateen pens being set apart for the porcine stock. The tor, or Human Husbandry." To get the right kind of farming, he said, we must get the right kind of a

their fine size and good proportions and cleanly appearance, must have disarmed a Jew even of his manner, proceeded to portray the course of educa-With this for a topic, the orator, in an eloquent prejudice against an animal not catable according to tion necessary to make a good farmer; that it was necessary to enthrone the mind over matter. The poultry department was also well represented. have no room to give even an abstract of the orator's remarks. They were listened to with profound attention, interrupted occasionally by applause.

The President, Mr. Buckminster, then addressed

the Society briefly.

Hon. Simon Brown, Lieut. Governor, C. L. Flint, Esq., Secretary of the Board of Agriculture, Col. Newell, of the Board of Agriculture, Mr. Greely, of quantity to supply the wants of a large portion of Boston, and Mr. Dodge, of Sutton, were severally the hungry crowd. In connection also we noticed introduced by C. R. Train, the Marshal of the day, each of whom made brief speeches, much to the sat-

Dr. Hobart, of Southboro', then made a brief and cultural Exhibition at the Music Hall, Boston, and humorous extemporaneous report upon swine, which brought forth rounds of applause from the audience. ison. It was in every respect a most excellent dis- The company dispersed after the prizes had been an-

The attendance of people, notwithstanding the at-

How to Cut Hedges.—Almost all the thorn hedges one sees clipped square, i. e., the top is made flat and the sides perpendicular, the object apparently being to make them as like a wall as possible. An observation I heard made lately seems to have a great deal of truth in it, viz., that this system has a great tendency to make the hedge grow thin below, and that it is a much better way to keep it widest at the base and let it gradually taper to a point at the top. I have certainly seen hedges managed in this way present a beautiful close surface, which I attribute to the plan of allowing a much greater kept square are very apt, when old, to get "blanky, and grow bare near the ground, even though the top may be quite thick and flourishing. In this case The first business of the day was to attend to the there is no remedy but cutting down, always a disFor the New England Farmer

FITCHBURG AGRICULTURAL EXHIBITION.

All the world is attending conventions, agricultural, greater advance than in the cultivation of fruit? political, women's rights, or some other. Moved by And yet the march of improvement has obviously the conventional impulse that is moving all the but just begun. world, I got into the cars about half-past eight, up the road we picked up several other gentlemen what might have been expected from Mr. Banks. bound to the same gathering. On our arrival, we We next went to the Dining Hall of the Fitchwere cordially received by Gen. Wood, the Presi-burg Hotel, escorted by the band. The dinner was dent of the Society, who took care that the wants of our outward man were well supplied, and by his podresses were made by his Excellency, Gov. Gardlite attentions contributed much to the pleasure we ner, Hon. N. P. Banks, Gen. Chandler, Col. De enjoyed on the occasion.

exhibited a good degree of skill and interest, and the foliage, and the clear bracing air contrasted glothat many fine teams were present on the occasion, riously with the sultry, dusty atmosphere which we The drawing of oxen was the next thing in order, had been breathing for a week previous, and added Several well-trained teams were exhibited in this greatly to the pleasure of the occasion. part of the performance, and did credit to the skill of their drivers. I next took a stroll among the cattle pens. There were many fine native cows and young cattle on exhibition. There were but few of foreign or mixed blood-showing less effort in that direction for the improvement of stock than I expected to see among the enterprising farmers of North Worcester. There was a fine pair of Durthe Co. Gent. how to free apple seed from the portions, that attracted much attention, and a few pomace you will confer a favor. good animals of mixed blood. I would not say a guano to seed-bed and nursery ground, and how word in disparagement of our native stock. The rich the soil will need to be, to obtain the greatest selection and care of this, must after all, constitute growth in each case. The soil is a strong clayey the basis of all improvement in stock. But where loam, with considerable sand and muck. It is natan earnest interest has been awakened on the subject urally quite wet. of stock, I should expect to see a greater number of animals of foreign blood, and more experiments in adapting them to our own climate and wants. The seed will fall to the bottom—rack off the pomace show of swine was small, but embraced some fine and water, and repeat the operation till clean seeds animals. Several fine horses and colts were on examinals. Several fine horses and colts were on examinate. The best way is to have two large boxes, hibition, indicating an increase in interest in this de- one within the other, the inner one with the sieve partment.

I next visited the Hall, which is a beautiful buildthat the good wives among the hills of North Worcester know how to appreciate good pies, and that Thanksgiving day, when it comes, will not be The exhibition of agricultural and mechanical implefied admiration of all spectators. There were several dishes of fine peaches, which, for this season, far exceeded our expectation. The number and variety of pears afforded proof of an increased inter-

ricties were piled upon the long tables, and made a most magnificent show. What a contrast between this show of apples, and those with which you and I were familiar, Mr. Editor, when we were boys! In Mr. Editor:—This is the season of conventions, what department of agriculture has there been a

From the Exhibition Hall we went to the large Wednesday morning, and soon after ten found my- Unitarian Church, where we listened to some fine self at the beautiful and thriving town of Fitch-music from the choir, to a prayer by the Rev. Elburg. I found the President of the Middlesex Ag- nathan Davis, and to an eloquent address from N. ricultural Society, and other gentlemen, going to P. Banks, Esq. I have not space to give you an the North Worcester Cattle Show. On our way epitome of the address. Suffice it to say, it was just

Witt, Col. Brewster, Hon. G. Lyman and others, in The Plowing Match had commenced when I ar- response to toasts which were happily introduced rived, and I did not witness this part of the exhibi- by G. Downs, Esq. The day was fine. The rain tion. But I understand that it went off well, and of Monday afternoon had laid the dust and washed

Yours truly, J. R.

Concord, Sept. 21.

CLEANING AND PLANTING APPLE SEED.

Messrs. Editors:—If you will inform me through

Please state the proper method of applying

Mix the pomace with water and stir it, and the nailed on the bottom, coarse enough to let the seeds drop through, and standing above the bottom ing, and on the present occasion, presented abun- of the other on blocks. Put the pomace into the dant evidence of the taste and skill and success of inner box, and pour water into the outer; the wathe members of the Society, in the cultivation of ter finds its way among the pomace, which being fruits and vegetables. The heaps of monster squash-stirred, allows the seed to drop through into the es and big golden pumpkins afforded an intimation clear water below. By this means, seed can be cleansed much faster than by the first mentioned process.

Guano is best applied by first making it into a wanting in this evidence, at least, of thankful hearts. compost with many times its bulk of loam, turf, peat, &c., or either of them—and then applying, ments and of needlework was highly creditable. like any other manure—making the soil deep, and But the exhibition of fruits in the upper hall struck it must have a dry subsoil. Apple seedlings, to us as the great feature of the occasion. The show of apples, pears and plums called for the unqualification of the unqualificat

How to Plow under Tall Weeds.—Where est in the cultivation of this delicious fruit. Ap-weeds have not been kept down by other crops, or ples of fair proportions and of almost unlimited va-by close pasturing, they have, as might be expected,

fields will have to be plowed for wheat, and other some, the foliage resembling that of the orange tree; fall crops, it becomes a matter of much importance to know how we can best turn them under with the plow, so as to be completely out of the way of the the severest drought, but if it be planted in rich soil, harrow and drill. An excellent way to do this, is or highly manured, it is almost certain to winterto fasten one end of a heavy log-chain to the end of kill. We hope it will receive further trial. the doubletree to which the furrow, or off horse is attached, bringing the other under the beam of the Many years ago, miles of Privet hedge died off in plow, just before the sheath, and confining it there. The chain should lag enough to touch the ground, or nearly so. A little practice will teach how tight dener.) it should be. By this plan the weeds are drawn into the furrow and completely covered by the fur-borer, which causes gaps in the hedge. It makes a row-slice falling on them while there. Will somebody tell us of a better way?

For the New England Farmer.

ABOUT HEDGES.

Mr. Editor:—As you always seem willing to answer questions propounded by correspondents, I presume so far as to inquire something about hedges, which if you will please answer in the Farmer, I think will not only enlighten the writer, but many others that wish to grow fine hedges.

I set out, last spring, one thousand Osage Orange. The plants were twelve inches high, and I cut them down to three inches. During the summer, they have made from twenty-five to thirty inches, new wood. When should they be again cut down, and

how low?

I have some thrifty Honey Locust, (Acacia,) Privet and English Thorn hedges, of two years standing. They were cropped twice last season—then again cut down within eighteen inches, and sides trimmed in last June. Do you advise to trim in again this fall?

hedges—say a hedge that has made a large growth now reside. There are attached to the house, about the present season, and is now thirty to thirty-six inches high?

Lowell, August 27th, 1855.

Remarks.—The Buckthorn is generally considered the best plant for hedges in New England. It is a slow grower in poor soil, and requires severe heading in, to get a thick and wide base to the hedge.

The three-thorned Acaeia, or Honey Locust, is a rampant grower, and almost sure to get out of hand and make trees instead of hedge plants; we have not met with a good hedge of this plant. It has strong thorns, and perhaps could be kept down by severe

Osage Orange.—This plant has proved hardy in some cases, and tender in others, in the same vicinity; the conditions of its successful growth seem to for comparison, and any information that I can give be a dry and poor soil, wherein they will not grow too rapidly, and that they shall not be summerpruned, which would cause a great growth of watery shoots in the latter part of the season, which would be likely to die in the winter. We know a hedge row of this plant, now six years old, which has never been pruned, growing in poor soil, eight to ten good sayings the ornament of it.

made a most luxuriant growth; and as many such feet high, and thick at the base; it is very handretains its verdure under the most intense heat, and

> Privet is apt to die off without an apparent cause. New Jersey, (vide Fessenden's American Gar-

> The English Thorn is liable to attacks of the beautiful hedge. Downing found salt very beneficial to this plant.

> The Arbor Vitæ is not a very effective hedge plant; it makes a good screen, and as it naturally branches out low, it does not require much pruning; if it makes too long leaders, head them in.

> The best time for pruning hedges, we think, is the autumn; prune so as to get a wide base resting upon the ground; the top will take care of itself. The reason for Autumn pruning is found in the fact that after the fall of the leaf, organizable matter is formed in the wood and buds, and the fewer buds left by the autumn pruning are charged with a corresponding increase of this substance, and grow with more vigor, and are more quickly excited into growth in the following spring.

> > For the New England Farmer.

MURIATE OF LIME

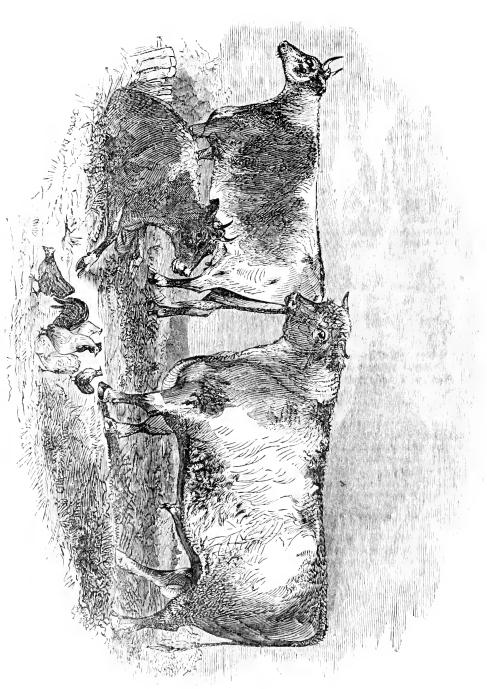
Mr. Editor:—About two years since, I purchased When is the proper time to cut in Arbor Vitæ the estate in this town upon Winter Hill, where I three acres of land, upon which, until the present season, I have labored in vain to raise corn, potatoes and squashes. The soil appeared to be rich, but owing to the scanty production of the first season, the second it was well manured with stable manure, and such other as was produced upon the estate; but the gain was slight. There was an abundance of vines and stalk in every case, but little strength to either. The potatoes were small and watery, and did not pay for the trouble of planting.

This season I was requested, by a friend, to try Gould's muriate of lime. I did so, but with little faith in its success. You may imagine my surprise, when I came to dig my potatoes, to find, not a miserable crop like that of previous years, but one of as fine potatoes as I have ever seen, and just four pruning, so as to get a thick base, but we think a times the quantity. The difference in the yield of better hedge could be made of the proportion.

As my next neighbors have had similar success to mine of previous years, a good opportunity is offered in relation to this fertilizer, will be given willingly, as I consider my gain this year has been occasioned by the use of this fertilizer alone.

Respectfully, &c., John W. Brooks. Somerville, Sept. 24th, 1855.

Brave actions are the substance of life, and



SHORT HORN BULL AND COWS.

red and white short horn stock, bred by the late er met the man, who had more correct ideas of the Geo. Brown, at Wintsome Hill, in Berwiekshire, points of a good animal than Mr. S. He is one of England. His splendid bull, named Jupiter, was the right sort of farmers, who understands both got by a red and white bull belonging to Mr. Ro- how "to hold and drive," - may his success be probertson, of Lady-kirk, in that county, named Valen-portionate to his knowledge. tine. At that time Mr. Robertson's stock of short horns was in its glory. The dam of this bull was got by a red bull, never named, bred by Thomas Smith, when at Grindon, in Northumberland, and was a son of the old roan bull "Duke." At that as Mr. Smith,—his steers being then unrivalled for beauty and weight. The grand-dam was one of Oetober being the time at which most of the exhi twin gray calves, produced by a gray cow, purehased in ealf by Mr. Brown from the late Mr. Mason, of retained for himself.

years, during which he was kept at one place, he elastic as on a clear October morning. proved excellent in raising stock, and evinced gentleness which was remarkable. He had many good maidens, old folks and children, all sorts of vehicles, points,—small head, lively eye, and small fine white mowing and washing machines, plows, with some of horns. He was completely filled up behind the the prodigies of nature, in human form, thronged shoulder, a point in which many fine bulls are defi-the avenues to the Fair Grounds, and made it a gala cient. He had a long quarter, a very thick flank, day indeed. and ribs very round. His forearm was very strong, the ease with bulls. ting in winter only a few turnips, and being princi- of the day. pally supported on straw. When killed, his flesh was fine, and resembled ox, more than bull beef.

For the New England Farmer.

THE TEWKSBURY COW.

I was much gratified on Wednesday, by the sight of this extraordinary animal, at the Show at Chelmsford, of whose products I have read in the statements made by her owner, Mr. Reed. I have no

pounds of butter per day, when fully fed; but for The sketch given above represents specimens of my use, I should prefer the two pound heifer exhib-

September~20,~1855.

MIDDLESEX CATTLE SHOW AND EXHIBITION.

The annual festival of the Middlesex Agricultural period few farmers possessed such high-bred stock Society took place on Wednesday, September 26th, a little earlier than usual—the first Wednesday in bitions have been held. For several days previous, there were indications of a storm, the wind prevail-Chilton. One of the ealves, when two years old, ing from the east, with occasional sea-mists and Mr. Brown sold for fifty guineas, and the other he squalls. On Wednesday, however, the sun soon dissipated the vapors that curled over the streams, This bull was purchased from Mr. Brown, when or rose slowly, in fantastic forms, from the low one year old, for twenty guineas, and for eight grounds, and at nine o'clock, the air was as pure and

So old Middlesex was awake again. Men and

Then staid and sober milch cows, staring and neck vein full, and brisket not too deep, as is often wondering what the tumult could mean, came from His back was remarkably their quiet and sweet pastures—fat oxen rolled straight and broad, the rump full and round. His their sleek sides along from their "fall feed" neck and shoulders were thickly sprinkled with grounds, antic colts with their proud dams from the eurled locks of gray hair, the entire body being hills, prim pullets with their crowing husbands eovered with fine soft hair. The face was singular-from the poultry-house, gabbling geese from the ly ornamented with curly hair, shedded from a line pool, ducks from the pond, and fat, sleepy, gruntdown the front of the face, seeming as if combed ing pigs, with their cousins and uncles, from their toward each eye; and the hair above the eye seemed stercoraneous abodes. Noble "fifteen and sixteen combed up to meet the locks from the face. His hand high" horses also came, touching the turf as hide was loose, thick, and soft, and the touch mel-lightly as though it were to fall from under their low. He had a most robust constitution, and never feet at every step, and neighing, prancing and snuffhad an hour's illness, during a life of nine years. ing the invigorating breeze. All seemed happy to He was generally kept in ordinary condition, get-witness the exhibition, and mingle in the festivities

> At nine o'clock the Plowing Match took place on a field opposite the Society's grounds. Thirteen teams entered, and the contest was animated and interesting, which a large number of people witnessed with apparent satisfaction. The sod was thin, and in some places small stones proved an interruption to the plow; but the work was generally skilfully accomplished.

The Spading Match took place at ten, immedidoubt of their correctness, but still, was greatly dis- ately after the plowing, and, as usual, drew a large appointed in her appearance. She is not hand-concourse of spectators. The stirring strains of the some. She has a coarse, bony, ill-looking aspect, occasioned, beyond doubt, by her propensity to convert all she takes into milk. I can readily believe and the scene soon became an animated one, the that an animal of her size will yield two and a half spectators at once fixing upon their favorite competders themselves. There were nine competitors for Middlesex do not neglect the substantials in their the prizes, who performed their parts in a hand-farming. some and expeditious manner.

Strength and Skill" of working oxen, came next Broccoli," exhibited by Simon Brown, of Concord. in order, and ten teams of noble oxen were enlisted. The foliage was rich and abundant, and the outline in the trial. Hundreds of interested spectators graceful. gathered round this part of the exhibition, and wit- The fruit was so plentiful that the elegant conloads, as well as of power to move them.

the Society's grounds, under the marshalship of E. Of paintings and crayons there were but few. W. Fiske, Esq., of Waltham, and, escorted by the The "bread and butter" department looked Boston Brigade Band, proceeded to the Unitarian nicely, as though a capital lunch might be enjoyed church to listen to the annual address, which was if the injunction "touch not, taste not, handle delivered by the Hon, N. P. Banks, of Waltham. not," was not vigorously enforced.

by Mr. J. B. Smith, of Boston.

ed his gratification at seeing so many friends of the the whole. the guests at the table was the Hon. Seth Sprague, gation to him for his faithfulness and skill. of Duxbury, who came as a Delegate from the The beautiful carpet-rugs, which ornamented the practical remarks, giving evidence of his accurate tractive feature of the exhibition. observation of the several departments of the farm, and particularly of the effects of crossing in our was of the most interesting character.

THE DISPLAY OF FRUIT, VEGETABLES, ETC.

fourth, were loaded with some of the finest fruit fore. we have ever seen. The display of apples was essome other varieties.

The show of pears, although of course not so ful in form, and are said to be a valuable breed. numerous as the apples, was very fine, and embrac- The day throughout was pleasant, the attendance ed handsome specimens of this delicious fruit. Of large, and the Show a successful one. Middlesex grapes and peaches the contributions were not nu-county has held three this month, each of which we

varieties of garden products were numerously rep-exception of our neighbors in Essex—we think they resented by superior specimens. This portion of have not been equalled in the State.

itors, and becoming as deeply interested as the spatthe exhibition showed that the good farmers of old

Among the articles in this department was a The Drawing Match, or, rather, the "Trial of unique and beautiful plant called the "Purple Cape

nessed a remarkable degree of skill in managing tributions of the ladies was almost crowded from the table. There was a variety of specimens of The exercises at the church took place at helf needlework, handsome tokens of taste and skill, past twelve o'clock. A procession was formed at of which the fair contributors might well feel proud.

It was attentively listened to by a large audience. \bot The contributions were arranged with much taste, After the services at the church were closed, the and the hall presented a beautiful and gladdening procession was re-formed and marched to the Town sight. Long tables groaning under the weight of Hall, where an excellent dinner had been provided luscious fruit, and a profusion of wholesome vegetables, proclaimed the "fatness of the land," while After the good things upon the tables had been draperies of brilliant carpetings suspended from the duly attended to, the President, Samuel Chand- rafters, and fine specimens of paper hangings hung LER, Esq., of Lexington, arose, and briefly express- upon the walls, imparted a gay and lively aspect to

Society present at the annual festival. In the name The whole interior arrangement of the building of the Society he extended a hearty welcome to was under the direction of John B. Moore, Esq., of them. Sentiments and speeches were given, spark- Concord, whose familiarity with fruits and skill in ling with wit and humor, intermingled with which arranging them is searcely surpassed. Under his were the reports ϵf committees and the announce-judicious management every thing was orderly, and ment of premiums which had been awarded. Among made agreeable to all. The Society is under obli-

State Board of Agriculture. In answer to a senti-centre of the room, were from the house of Tenny ment alluding to the Board, he made excellent & Co., Haymarket Square, Boston, and were an at-

THE CATTLE PENS

were not so well filled as on previous years, and the neat stock. The whole entertainment at the table stock was not so good as at some former exhibitions. Both native and foreign breeds were well represented in the bulls, milch cows, and other neat stock. The show of Fruit in the spacious hall of the Several pens were filled with fine looking fat cattle. Society was very fine, and fully equal to that of any Of horses there was a larger number than we have former year. Three long tables, and part of a ever seen on exhibition in the Society's grounds be-

Swine were not numerous, though there were pecially superb. Finer Porters than some exhibited fine specimens presented, and among them some were never raised, and the same might be said of slate colored pigs of the Essex variety, contributed by Chs. B. Clark, of Concord. They were beauti-

have attended, and believe them to be among the Of vegetables there was a noble display. All best we have ever witnessed. In fruits,—with the

N.

For the New England Farmer.

GROWTH OF SQUASH VINES---CAN WE SEE PLANTS GROW?

Messes, Editors:—On the morning of the 15th ult., I measured accurately two squash vines, and in seggs, some a little larger, and planted them side on the following morning, at the same hour, again by side, with the same manure and cultivation, and measured them; one of them had grown over nine, I have just dugthem, and found that twenty hills of and the other over ten inches during the twenty-the large seed produced more in measure, and larfour hours. The night could not have been very fa-ger in size, than thirty of the small ones. On a small vorable for growth, as with us the wind was from the patch where I did not expect more than 15 bush-east. The more rapid grower of the two is from the els, it being dry green sward, I had 25. Will some seed of a California squash, purporting to weigh one one give the result of his experiences. hundred and sixty pounds. I observe that the female flowers of this vine have ten divisions to the stamen instead of eight, which is the number in the flower of the common squash. "You can see them grow," we sometimes say, to indicate a maximum of growth. For a loose hyperbole, this is passable, among the thousands of other innocent exaggerations thing in the world to do it, just as it is to make an which serve to give life to conversation and open folks egg stand on end,—after one knows how. A man eyes, withal; but it would be more accurate, to say who knows their nature, and habits, and can avail that we can see that they have grown; for, if we himself of their instincts, can make them do just reflect a moment, we perceive that a growth of what he pleases. Ten thousand men have kept twelve inches in twenty-four hours would be, on an bees for thousands of years, and have watched their average, half an inch per hour; now, as I draw my doings, and many have written learned treatises up-thumb along on the table, with one eye on the clock on the economy of their Commonwealths. But it above, I perceive that the slowest motion possible has fallen to Huber and Langstroth and a few others for me to detect with the unaided eye, must pass to discover the few simple secrets which, while they over one inch in from two to four minutes, so that are unknown, have rendered their movements so it may be safely affirmed that a growth, to be permysterious. Any body can move a hive of bees ceivable with the unaided eye—without the micro- from its stand, invert it and call them out, and hanfeet in the course of twenty-four hours! a growth, hive with perfect safety, and the bees will be all as we are all well aware, attained by few, if any the time perfectly good-natured, and not an indiplants in the temperate zone during the entire sea-vidual among them will offer to sting him, and yet

hidden from man's feeble powers.

Yours truly, James J. H. Gregory. Marblehead, Sept. 25, 1855.

For the New England Farmer.

SEED POTATOES.

Mr. Editor:—Much has been written about seed potatoes, some advocating the planting of small potatoes. Now that small potatoes will sometimes sistent. I had the curiosity, last spring, to try the experiment of small potatoes to satisfy myself, although pretty well satisfied in my own mind be-

I paid a dollar a bushel for some good sized potatoes, and planted them, putting one in a hill without cutting, except a few of large size, then I had a few small ones of the same kind which grew with the others, and were sorted out about as large as rob-

South Abington, Sept. 17, 1855.

BEES.

Any body can manage bees. It is the easiest scope-must be at the rate of from thirty to sixty dle them as he pleases, and restore them to the very few persons dare make the attempt, and still What revelations the microscope might make fewer know how to do it with safety. The object of we cannot say; though from the above facts one the miser is to lay up treasure. This occupies his would think in the case of these vines, that with a thoughts and his hands day and night. His heart would think in the case of these times, that with a thoughts and ms mands day and mgm. This near power of from thirty to sixty, it might be possible is with his gold. It is the god of his worship. He to witness that most wonderful of all vegetable has no place in his mind for any other thought, phenomena, the growth of plants; and with one of Upon the slightest alarm, he grasps his money bags, still higher powers to investigate still more deeply, perhaps, even to the detecting of the elaboration and circulation of the vegetable juices! That final all others attach the same value to it, and that remoderful transformation of claracter into rooms. wonderful transformation of elements into vegeta- when they approach his premises, they can have no ble tissue, analogous to the change of elements in other object but to gain possession of it. The bees, the capillary vessels of animals into bone, muscle, in their way, are perfect misers. They labor inces-&c., must, in like manner, probably ever remain santly for about eight months in the year, to amass honey. They undergo the severest toil to search it out, and transport it to their storehouses. In the early spring, from the flowers of the willow, of the alder and the maple, from the blossoms of the cherry and the nectarine and the peach, and through the heat of summer, from the bean and clover, and a thousand sweet flowers, and as the autumn approaches, from the mature juices of the plum, the peach, the pear and the apple, they suck the sweet nectar, and bear it with unfailing instinct to the produce large ones, I do not doubt; but that is not storehouse which their fellows have built to receive the rule. "Like produces like," is a law of nature, it. This is the great work of their lives, the one and until that law is abrogated, as we plant, or sow, end of their being. To lay up, secure and defend in the physical, vegetable and the moral kingdom, their treasure all their instincts are directed. that shall we also reap. Why don't those writers When engaged in their daily work, they have no who recommend small potatoes for seed, recommend small corn, small beans, and small, inferior seeds of all kinds. This they ought to do to be conseeds of all kinds.

the alarm is repeated, each one drops all other emtthe nature and habits of bees, a knowledge which ployment, whether he is constructing a cell, or fill- has cost him years of close and careful observation. ing it with honey, or in whatever work he may be We commend this hive to those who raise honey, employed, and sets himself at once to secure as and who would always have it within their reach, much honey as his honey bag will contain. Each and especially to those who like to study the habits one secures a share of the pure limpid nectar, and economy of the curious and "busy bee."— Each sucks in his drop of honey, that at least so Country Journal. much may be secured from plunder. It is surprising with what rapidity a bee will fill himself with honey, when alarmed. He draws it in, in a continued stream till he can hold no more, and then quietly awaits the result of the alarm. Having secured as much of his treasure as he can, the instinct of his nature is satisfied. He has done all he can. And now comes the secret by the knowledge of which the operator can handle and manage them as he chooses. When a bee is full of honey he never stings, unless pinched or otherwise injured. The operator has only to induce them to fill their bags with honey, and they at once become harmless. This is a uniform law of their natures, as certain and reliable as any other law of nature. The knowledge of this law, and a little expertness in managing the alarm in such a way as to induce each bee to seize his portion of the common treasure, is the only magic possessed by the bee charmers, which enables them to astonish by their boldness the uninitiated lookers on. The drones have no stings, of course they may be handled with impunity. They may be distinguished by their larger size. The different keys upon which bees pitch their note indicate their condition. When they are full of honey their note is on a lower key, and has a quite uniform hum drum tone. When they are empty, their note is sharp and angry. When a swarm have filled themselves it may happen that one or more may be found, that have not secured any portion of the treasure. Perhaps they have just returned to the hive, and have had no opportunity to fill themselves. These will fly about in great agitation uttering a sharp piercing note. If you are not careful you may get stung by them. Their angry note is readily distinguished from the note of the rest of the swarm, and the operator puts himself at once on his guard. A few days since, I had the pleasure of seeing Mr. Langstroth, on the grounds of Mr. Brown, Editor of the New England Farmer, take a large old hive, full of bees, and remove it from its stand, and turn it bottom upwards, and call out the swarm into an Lexington, under the auspices of the Lexington empty box-take them up by handfuls, and handle Farmers' Club, got up an exhibition that was highly them with the same freedom, as he would so many creditable to that good old farming town. We peas. He broke open several bees and shewed the have seen larger exhibitions of fruit and vegetables, and shewed that his bag was empty. Not having citizens of this town take a deep interest in this desecured any portion of the common stock, he was partment. The market-gardeners brought forward obeying the next instinct of his nature, and endeasome of their best samples of vegetables, and the voring with his own unaided weapon, to drive off specimens of needle-work proved that the fair lathe invader. Mr. L. has constructed a very inge-dies of Lexington take an interest in the pursuits of nious hive, in which the operations of the bees, and their fathers and brothers and husbands. After witthe progress of their work, may be readily watched nessing the exhibition, we formed a procession, and from day to day. In this hive, the comb is constructed in plates about an inch thick, entirely distoucted in plates about an inch thick, entirely distouct from each other. Any one of these plates may be taken contains it. The comb is then detached from the total and distoucted in the plates in the plate the bees immediately set themselves to work to appetite, the assembly was addressed by Mr. Banks, reconstruct another comb in place of that which has been taken away. The whole arrangement is Mr. Pope, of Somerville, Rev. Mr. Staples, of Lexvery complete, and shows a thorough knowledge of ington, and Gen. Samuel Chandler, President of the

For the New England Farmer.

THE FARMER.

Does the farmer dig the dirt? Aye, aye; Does he wear a coarse shirt? Aye, aye; And if his cheek is brown With the kisses of the sun, Is he less a gentleman?

Does the farmer plow and sow? Aye, aye; Does he wield the spade and hoe? Aye, aye; And if his hand is hard, And his feet be roughly shod, Shall we give him less regard? Nay, nay.

Does the farmer work for all? Ave. ave: Labors he for great and small? Ave. ave: If from out the farmer's store Comes the bread for rich and poor, Should we honor him the more? Yea, yea.

Give the farmer then his due; Aye, aye; Though he serres, he's master too, Aye, aye; And may Heaven its blessings shed Down upon the farmer's head, 'Till we cease our cry for bread, Aye, aye.

Somerset, Mass., Sept. 19, 1855.

MYRA MYRTLE.

For the New England Farmer.

LEXINGTON FARMERS' CLUB.

On the afternoon of the 24th inst., the citizens of full honey bag. He struck down one that was but we never saw a better one. The samples of uttering a spiteful note and threatened to sting him, apples were equal to the best, and prove that the Middlesex Agricultural Society. The whole affair the great lake, with its countless islands, one, it is was admirably managed, and we have no doubt, will estimated, for each day in the year, the lake so beaucontribute to the interest which has been already awakened in the various departments of agriculture and horticulture, among the inhabitants of this patriotic town. Yours,

For the New England Farmer.

A GLANCE AT A NEW HAMPSHIRE FRUIT GARDEN.

PEAR GROWING AT LACONIA.

BY H. F. FRENCH.

Concord, on the Concord and Montreal railroad, instead of seeking the crowded hotels of fashionalies the new town of Laconia, recently created by ble watering-places. an act of the General Court, out of part of the territory of Meredith. The village is separated from other gentlemen of taste in horticultural matters, Gilford by the clear and beautiful stream, through lives my friend and cousin, HENRY J. FRENCH, which the waters of the small bays above, and of whose well-deserved honors, in the way of fruit ex-Winnipisseogee Lake still higher, are brought into hibitions at our State Fair, I have, from the simi-Sanbornton Bay. This stream is of itself "a thing larity of our names, sometimes divided with him, of beauty," and so, according to somebody, "is a joy while he, innocent victim of this, to him, unfortuforever" to the beholder. It is worth a journey nate coincidence, has occasionally had laid to his from old Concord, in the Bay State, for Hawthorne, charge some less desirable products of my pen. As and Emerson, and Thoreau, and Channing, who for myself, I have no idea of applying to the Legishave so sweetly "dreamed dreams" over the tran-lature for a change of name, to escape the credit of quil waters of the sleeping Concord and Assabeth, his fruit-growing. He is at liberty to do so, whento "see visions" by the rushing, sparkling, wakeful, ever he finds the vicarious punishment of my editothough I believe nameless river, which brings the rial sins too grievous to be borne. Mr. French has mountain springs from "the Chrystal Hills," in a at present, in my judgment, decidedly the best fruit broad stream, so constant and rapid, that the heat garden I have ever seen in New Hampshire. It of summer does not narrow it, nor the chains of covers about two acres of land, of what I should winter bind it for a moment. To be sure, one seems call, part a sandy loam, and part a gravelly loam, to hear in its noisy current, loud boastings of its over a hard pan, a little elevated above the level of power and usefulness, how, after finding its way the village generally, but not so high but that the to the Merrimack, it can turn the mighty factory mist which usually rises in the autumn from the wheels at Manchester and Lawrence; and after all, water protects it from the early frosts. He has one begins to doubt, whether a more serene and forty varieties of pears, nearly all in bearing this peaceful existence, like that of the Concord, whose year, all the best varieties of plums, a good selection very name denotes its character, is not better than of apples, with most of the small fruits that can be this mad spirit of unrest, and this ability to serve cultivated in this region. He has occupied the the purposes of man, which tempts him ever to en-place but eight years, though a part of his grounds slave and ruin.

or fancy to the ocean, take an afternoon drive with England could not show, this season, a garden conat short intervals above, Long Bay and Round Bay them the best cultivation he knew how to bestow. Gilford, and Lake Village, nestling down between pears require a rich soil, deeply trenched, that they dwellings in a vast and variegated artificial pleasure and that the fruit be thinned out, to prevent overground of the giants. Northerly, in full view, lies bearing. I know a great many cultivators who

tiful, that it was called by the Indians by its present name, which signifies "The Smile of the Great Spirit," and away in the distance, the White Hills, known first in history as "The Chrystal Mountains," lift up their towering heads.

But I must descend from these heights to more sober views, and leave scenes on which it is pleasant to look back, merely saying in conclusion, that sensible men and women of late, who leave the cities in summer, are finding out the villages I have Up in New Hampshire, some twenty miles above named, and spending their weeks of leisure there,

In this new village of Laconia, among many had been before occupied by Hon. Wm. C. Clark, But we need not detract from the striking beauty now of Manchester, who had commenced the work of this dividing line of Gilford and Laconia, by any of planting fruit trees. I have elsewhere seen well efforts at sentiment. Instead of following it in fact cultivated trees, and perfect fruit, but I think New an agreeable companion over Pollard's Hill at the taining an equal number of pear and plum trees east, or farther on, ascend Mount Belknap, and a more uniformly healthy, and more fully laden with view will meet the eye, such as is not surpassed for fruit in its highest perfection. The secret of his beauty and grandeur in New England. Below, on success is, that having a location neither too wet nor the west, stretching away, among hills which push too dry, he has ordered his trees from the best nurboldly down to its shores, lies the Great Bay, while series, paid for them the highest prices, and given reflect the light of the setting sun, and Laconia, and Most of us do no such thing. We know that dwarf the hills in the distance, seem like some fairy should be headed in, and kept in pyramidal form,

"know the right, and yet the wrong pursue," in all these matters. Mr. French executes three feet down to plant a dwayf near. He considers it occurs deep, to plant a dwarf pear. He considers it essential to plant the tree three inches below where it was budded, and says he is not aware that he ever manured a pear tree too liberally, though he constructs heaps of compost for his two acres that would be respectable for a small farm. One thing is noticeable, in regard to all his trees, including 10. SECKEL On pear; first of November; a feeble, slow the apple. They are all trained low, with short This is commonly objected to, in apple orchards, because of the inconvenience of cultiva- 1. DEARBORN'S SEEDLING .- On pear; ripe 1st September; ting among them, and this consideration is to be weighed, and a proper medium preserved. I have myself always despised long-legged trees. The first object is to obtain fruit, not to cultivate the land, and low trees I think are more fruitful than high ones. And besides, the labor of gathering fruit from tall trees in an orchard is so much greater as to compensate for a great deal of extra cultivation by hand, where cattle cannot work close to the trunks. Mr. French's mind is made up decidedly, on that point. He says he is sure such a drought and heat as that of 1851 would have destroyed many of his trees, had not the ground under them, and their trunks, been shaded by the branches. thought the experience of my friend so valuable, especially to those who are cultivating in his neighborhood, that I took the liberty to pencil down the results of his experiments in regard to some of the known varieties of pears.

We are all aware, that success in pear culture is very various, even in the same neighborhood, and on soil and with treatment much the same. In the region about Boston, where fruit-growers meet regularly and compare notes frequently, it might be presumptuous, in any individual, to set up the short experience of himself or another against the general opinion. Mr. French is nearly a hundred miles from Boston, and sixty from the ocean, and it has seemed to me that his observations might prove a valuable contribution to the cause of fruit-growing. I will take the responsibility, therefore, of stating briefly the opinions which he has formed, leaving it to each person who reads, to judge how far they may be useful, as a guide to himself.

TEN VARIETIES OF PEARS APPROVED.

- I. BLOODGOOD,-On pear stock; ripe last of August; medimn size, bears well-good.
- though best upon pear abundantly, and larger fruit.
- 3. BELLE LUCRATIVE.—On quince; ripe early in October; a free growing, hardy tree, and great bearer. Fruit fair and perfect, and of delicious flavor, and ripens anywhere, with as little care as a Baldwin apple. On the whole, the most valuable variety of all the pears, so far as tested.
- LOUISE BOXNE DE JERSEY.—On quince; ripe October 10th; a hardy, free better; fruit fair, high colored and line flavored, a valuable pear for general cultiva-

- GRAY DOYENNE,—November; on quince; not a free hearer. Nearly equal to the old St. Michael, which it resembles, and which is admitted to be the perfection of pears. Fruit fair and delicious.
- 8. BEURRE DIEL.—On quince; December; a free bearer, and healthy; fruit high flavored, russet colored.
- 9. WINTER NELIS .- Late winter fruit; on quince; a fine fruit, which ripens well in a common cellar. A shy bearer, and grows irregularly.
- growing tree, though healthy; fruit small but delicious.

Five Varieties of Pears Condemned.

- a small, coarse fruit, with nothing to recommend it; worth about seventy-five cents a bushel, and not wor-thy a place in a gentleman's garden, so far as tried here, though of high reputation about Boston.
- 2. DUCHESSE D'ANGOULEME.—On quince; a good grower, and bears well. Fruit very large and very fine, when ripe, but needs about a month more, at e the season, to make it sure in this latitude.
- 3. GLOUT MORCEAU.—On quince; shows a good disposition to grow and bear, but the tree blights worse than any other variety, except the
- 4. PASSE COLMAR.—On quince. Nearly every tree ruined by the blight-entirely hopeless.
- 5. VICAR OF WINKFIELD .- On quince. Tree hardy and grows well. Fruit fair and large, but with the best care here, course, corky, cheaky, and unfit for an amateur to cat. Often of fine quality in Boston, and sold at a shilling each.

The above are the present impressions of Mr. French in regard to the fruits named, differing widely, as to some varieties, from the received opinions. Dearborn's Seedling, for instance, I am told by Mr. Bull, of Concord, Mass., who is high authority in such matters, is with him a first-rate fruit, nearly equal in flavor to the St. Michael; and the Glout Morceau, which at Laconia is destroyed by the blight—a dozen in a row—while other varieties grow finely on each side of it, at Mr. Bull's place, is a fine, healthy tree.

WIND SUCKING.

This detestable habit in horses may be cured, so say contributors to the Ohio Cultivator, by the following process:

Wind sucking is a habit, (like chewing tobacco) much easier acquired than forgotten. It can only be practised however under favorable circumstances —that is, when there is some object on which the horse can rest his teeth, located about as high as his breast—such as a common manger, for instance. The best remedy, therefore, is to place the feeding trough as low as the ground or floor of the stable, and the hav-rack as high as the horse can reach; and see that there is no object of an intermediate height for him to rest his teeth upon to suck wind. 2. BARTLETT.—On pear and quince, thrives well on both, though best upon pear stocks, which produce more though best upon pear stocks, which produce more ble, he is not allowed to stand near a fence or stump, or any object of convenient height for practising Fruit this habit. In the course of a few months, say five

G. Bateham.

Another Remedy.—Tie a cord around the neck of the horse sufficiently tight to prevent him from enlarging the throat, as is done in wind sucking, 5. FLEMISH BEAUTY.—The most splendid of all pears in size and color; better than the Bartlett in flavor, and Lawing. A right buffer with throat strain, will anof large size; on quince-ripe in the middle of October, llowing. A tight halter, with throat strap, will an-

For the New England Farmer.

ESSEX AGRICULTURAL SOCIETY.

REPORTED BY J. F. C. HYDE.

The annual Fair of this Society was held at Haverhill on Wednesday and Thursday, Sept. 26th and 27th, and though there was quite a shower on the morning of the second day which threatened to mar the pleasures of the occasion, yet it did not at all interfere with the successful earrying out of the admirable arrangements that had been made. On the first day, among other things was the drawing match, which took place a little north of the village. The loads were for one yoke of oxen, two tons, and then four tons, which were drawn up hill by several teams in fine style. Loads for single horse teams, a cord of hard wood; the ease with which the work was done showed that the animals had been well trained for work.

SPADING MATCH.

There were nine - all Irishmen - entered for spading, but only seven took part; the lot to be spaded by each person was six feet by ten, and the is capable of doing for the Farmer." He spoke of time occupied in doing the work was seven minutes. The work was not as well done as it might have that chemistry had thrown on the subject of agribeen, had there been less excitement and confusion on the ground.

The show in the Town Hall, which we looked in upon the first day, was very good, and in some respects better than is usually seen at these fairs. That Old Farmer's Almanac, and would not, on any acof manufactured goods was fair; boots and shoes, count, kill their hogs unless the moon was right. A for which this county is noted, taking the lead knowledge of Chemistry taught all the secrets of There were fine specimens of worsted work, which vegetable growth, and is alone capable of teaching do credit to the good ladies of Essex. The show of us all that we can know, of those forces that profruit and vegetables was exceedingly fine, especially duce soils and the plants that grow upon the soil. of apples, of which we think we have never seen bet-Guided by its light there is no uncertainty; without ter. Pears were also shown in abundance; among it, all is doubt and uncertainty. The advantages of others we noticed a most splendid box of the Beurre deep plowing and the thorough pulverization of the Clairgeau, a new variety of great promise, which were contributed by J. Fowler, of Salisbury; noble which might be made up to advantage with lime, Flemish Beauties, Duchesse d'Angouleme, and many Methuen, took the lead; he receiving very justly the in value to the solid, and should be carefully saved first premium. We noticed on the tables a new by a reservoir which might easily be built by diggrape from the Rev. W. C. Richards, of Lynn, called the "Millard Seedling," which is said to be the product of a raisin seed; the Committee awarded it a premium for the best seedling. Of Flowers rapidly passing, and if you do not jump upon the there was no lack, -Dahlias were contributed in platform you are lost. Sluggards, slumber no longgreat variety by that prince of Dablia growers, Gen. er, if you intend to succeed in the business of farm-Oliver, of Lawrence. Bouquets in great profusion ing. The address is one that may with profit be ta-adorned the hall. Of Vegetables there was a great ken to the homes of the farmers, and read and ponabundance, especially of mammoth squashes, some dered. weighing over 150 pounds each; potatoes very large and handsome, and in short, the vegetables as well as fruit, did great credit to the farmers of that the new tent on the Common, where a good dinner county.

specimens of good butter shown, but no cheese.

EXHIBITION OF STOCK.

swer this purpose. It will need to be worn for two or three months. This remedy is easy, and I have for a good deal more. We noticed among others, found it quite effectual.—A Subscriber. were good.

PLOWING MATCH.

This was the first thing to come off on the second day; it took place in an old pasture a mile or more from the village. Of those who plowed, five used double ox teams, single plows; four, double ox teams, double Eagle plows; three, double horse teams, double plows; five, double horse teams, single plows; and eight, ox teams, single plows. land was stony and with a tender sward, and was well calculated to test the skill of the plowman and the good qualities of the plows. The work, taken together, was well done, though we think there is room for improvement in this direction.

The Trotting Match did not come off as expected, much to the disappointment of the great erowd that had assembled to witness it.

THE ADDRESS.

The next thing on the programme were the services at the Centre church, which consisted of Prayer, singing of an Anthem, and Original Hymn, and an Address, by Dr. Nichols, of Haverhill.

His subject was, "What Chemistry has done and those farmers who availed themselves of the light culture, as being the most thrifty, and the first to find out and make use of improved tools, &c., for the farmer's use. While the other class believe in physical abilities, and trust to the predictions of the soil was ably treated. Also, the compost heaps pond mud, loam from beside the walls, &c. Among the apples, J. B. Barker, of liquid excrements of the animal he considered equal

THE DINNER.

After the address, a large company repaired to had been prepared by Mr. Steele, of Haverhill, who DAIRY PRODUCTS, did himself credit on this occasion. After a bless-were not very plenty, though there were a few ing had been asked by the Rev. Mr. Perry, the eompany partook freely of the viands that loaded the tables; and after the physical wants had been supplied, the President introduced to the company There were a few superb horses that attracted his Honor Simon Brown, who made some very apconsiderable attention. The stock was well ar-propriate remarks, and was followed by Mr. Tenny, ranged in suitable pens, which were nearly all full of Vermont, Mr. Lewis, of Framingham, Mr. Dunof good cattle and swine. Some improvement has can, of Essex, Mr. Coffin, of Boston, and others.

premiums were read in the church, and this closed eider-down, &c. They took on board at this point the performances of the day.

The attendance was very large both days, the people coming from far and near to be present at this

annual gathering.

We were quite pleased with our visit to Haverif it should be their good fortune to visit that place, skin coats. They reached next a place called Pronot to forget to call on friend Brown, of the Eagle even, a place fifty miles south of Upernavik. Here visitors feel at home.

Remarks.—Our reporter is too modest to state that he spoke at the dinner table, but we are asspeech.

RETURN OF THE ARCTIC EXPEDI-

Dr. Kane and his party, together with the Relief Expedition, under Lieut. Hartsteine, have safely arrived at New York. Some account of these expeditions,—which, it is to be presumed, will be the last sent out by our government,--will doubtləss interest our readers.

and his companions under their charge.

of Dr. Kane and his associates:

They took aboard, also, all the beef they could obtain, and marked it. About the 1th of July they arrived at Fishkenaes, a settlement in the southern eight hundred feet in height, though the land back

The reports of committees appointed to award them every facility in the purchase of furs and an Esquimaux man who was to hunt for them.

They left Fishkeæns and proceeded next to Sukkertoppen, so called from the resemblance of a mountain in the vicinity to a sugar-loaf. This place presents many beauties of Arctic scenery. They found there a few Danes, and obtained from hill, and would say to all the readers of the Farmer, them an abundant supply of reindeer furs and seal-House, who so well understands how to make his they received the aid of Christianson, who is well known in the annals of the Aretic. They obtained additional supplies there. While they remained there an Esquimaux ball was given in honor of the expedition, which was attended quite numerously. Took on board twenty Esquimaux dogs, and after sured that he made a very practical and sensible remaining two or three days, took their departure for Upernavik, where they arrived during the last of July, and obtained Mr. Peterson, who had been with Captain Penny as interpreter, for the expedition, for the purpose of managing the sledging by dogs. From Upernavik they pushed on to the north. They met no ice until they had proceeded considerably north of Devil's Thumb, in Melvill bay. They expected to encounter ice in the bay, but had a very fortunate passage, being detained therein only about two weeks. They did but little warping. They then made the open water, and off Cape York came to the North Water, so called by sailors, and had a good run thence until the 6th of It will be remembered that Dr. Kane, whose love August, when they entered Smith's sound with no of adventure has carried him into almost every prospect of ice, and sailed on until they reached part of the globe, sailed from New York in May, Littleton Island in 181, 70 deg. 20 man, and in 1852. Littleton island in lat. 78 deg. 20 min., which is the 1853, in the little barque Advance, with a crew of The expedition landed at the island and erceted a sixteen picked men, in search of Sir John Frank-leairn, in which were deposited letters, in hopes that lin's expedition. Since his departure, Dr. Kane had Capt. Inglefield on his return would find them and been heard from but once, in July, 1853, at Upper to America. Their most important object, however, Navick, on the coast of Greenland, from whence he in landing at Littleton island, was to deposit prowas to proceed to Smith's Sound, and forcing the visions and a large metallic life-boat, which, in case vessel to the utmost navigable point, secure her for the winter, and prosecute the search by means of sledges. The protracted absence of Dr. Kane insulated the last Congress, in accordance with the generally expressed wish, to authorize the Secretary of the Navy to dispatch a suitable expedition to the few days pushed forward again by wanning about the Navy to dispatch a suitable expedition to the a few days pushed forward again by warping, about rescue of the adventurers. The sum of \$150,000 the lea of which they moved the vessel, but a gale springing up their hawsers were broken, and they tion of Congress was carried out by the purchase of were driven to sea. The gale was quite heavy, and the propeller Arctic, and the barque Relief, which as they were running before the wind amid iccbergs were properly fitted and equipped, and dispatched to the Arctic regions in June last. The expedition ther danger, and again made for the north as fast was confided to the command of Lieut. Hartsteine, as they could by means of warping, frequently close of the U. S. Navy, and the wisdom of the choice is in shore. They were subjected to a heavy nip south of a point which corresponds in description to Stafevinced by the return of the party, with Dr. Kane of Head. About the first of September, found bay ice forming about them process thick, in lat. 78. The following is a summary account of the voyage deg. 37 min. Here they found a deep bay running between two headlands, and in this bay a good harbor. This formed their first winter harbor, in the The expedition left New York May 31, 1853, winter of '53 and '54. On the south-west side of The first port made was St. John's, Newfoundland, the bay were three islands about a quarter of a mile where the expedition was shown every attention by from the shore. On the back ground was a terrace the Governor and inhabitants. They obtained there of sand. Of the two headlands one is east of Stafeight Labrador dogs for use in sledging in the snow. ford's Head, and the other corresponds to Thelusson

part of Greenland; Governor Lassing at this point is lower. The vessel was morred to some granite received them with great hospitality, and afforded island. The rocks in that region are composed of

granite and limestone, with a small streak of another something fixed, whether it be the water or ice on formation between the two. From this point Dr. which to travel—that feature alone makes this Kane and party started north to examine the ice. apparently the most eligible road to the North After an absence of about a week the party return-Pole. ed, and active preparations were immediately made | Early in the spring the Newfoundland dogs were for going into winter quarters. A warm and com-exceedingly useful in carrying burdens; they were fortable house was built over the deck. Stoves indeed invaluable for short excursions; six of them put up and communication made between the steer- would draw a burden varying from five hundred to age and cabin, and the men were transferred from eight hundred pounds, at a dog-trot of four miles an the forecastle to the hold, where comfortable quar-hour. They would travel thirty miles a day for ters were made for them. The galley was put several days in succession. These dogs, however, below. A party was sent forward to establish a were not adapted for this climate, and the first win-cache about a hundred miles distant. Darkness ter only two of them survived. Most of them died gradually came upon them, and with the exception of convulsions, apparently suffering from lock-jaw. of a few short journeys within a scope of thirty. In the month of March the yessel was most unmiles, the operations for the season closed, and soon expectedly visited by a party of Esquimaux. They them from doing any work whatever. The year in of a very superior breed; these dogs would make a this latitude is divided into four portions, two of journey of 60 miles a day for several weeks, carrywhich are alternate day and night, each of two ing a single man, and in some instances two men months' duration; one of four months with the sun behind them. The sledges were curiously formed; below the horizon during the entire twenty-four some were made of hundreds of pieces of bone lash-hours; and one of four months with the sun con-cd together with strings made of the ciscok, a large tinually above the horizon, revolving in one circle seal. A few of them were made of wood. These above the horizon—as Tennyson says,

"The midnight sun Sets into sunrise.

On August 22d the party lost the sun altogether. It went at a dip below the horizon for the first time, and the nights began gradually to increase-grow longer—until October 22, when—having the day previous just raised his face above the horizon-the sun vanished again, and did not honor them with seemed to be very distant, Dr. Kane planned a his smiles for four months more. At twelve o'clock light, but this was soon lost, when for three months the twilight was very inconsiderable. The moonlight days and nights were beautifully bright. The winfor two or three weeks there was considerable twiter was remarkable for being one of the severest and nothing remained but to make preparations for passthe longest in darkness ever experienced by civilized ing the second winter as comfortably as possible, man. When the cold began to increase it was ten. The outfit of the expedition had contemplated a degrees below zero early in September, and as the stay of only fifteen months, and the provisions season increased, although it proved to be a much remaining were not of a character suited to the climilder winter than many described by the natives, mate. Scurvy prevailed considerably, but by the 48 and 50, and even 60 degrees below zero was untiring assiduity of Dr. Kane, this was so far recorded. Early in November, if not on the last of checked that no lives were lost by it, although seve-October, at a temperature of 40 degrees below zero, ral men were severely affected. By this time the old Monongahela whiskey, so famous for its strength, supply of coal was entirely exhausted. They were was converted into ice.

The winter was passed in amusement and rest. to be fitted out to explore the country about.

These were made by the aid of dogs and sledges. One of these parties examined a large glacier about of the sunlight in the spring, they began to look 80 miles distant. The extremity of this glacier was forward to all that remained to them—a journey to the most northerly limit of the field of search, the nearest station of civilization, Upernavik. The Beyond this glacier the land altered its trend, it distance, including detours, was at least a thousand having trended from the vicinity of Stafford's Head miles. This could only be travelled by conveying about east, nearer east than north. Beyond this it the boats on sledges to the nearest water, and then trended again to the north, and when the whole bay placing the sledges on the boats and proceeding by

it is for those conversant with geographical theories that the ship must remain there, the boats were get indication of any highway of water beyond, or them up. whether it is merely one of those tide streams which sometimes break the frozen surface of a northern placed in them, water-proof articles being got up as estuary, known to the Danes as a race. Whatever well as their shabby resources allowed. The bread this is, one thing is certain; if it be the basis of a was pounded into powder, packed into canvass bags,

Esquimaux are represented as grossly filthy in their habits and loose in their morals, live as much on raw as on ceoked meat, and cat most voraciously. But the race is fast passing away, and it is supposed that there are not more than 100 of them between Cape York and Littleton Island, a distance of five or six hundred miles.

In July, as the prospect of getting out of the ice party, of which he took the command, to Beechy Island, to communicate with the English. He obliged to cut away the bulwarks and all the spare spars of the ship; indeed everything which could As early as the middle of March, expeditions began be ent away, and still leave them in seaworthy condition, in order to keep up their small fire.

When the crepusculum began to show the tints was frozen up, from a short distance north of this water until the ice compelled them to reverse the glacier was discovered a channel of open water run-order again. The winter was an extremely cold ning north and south. In and along this stream one. Sixty degrees below zero was frequently re-were innumerable cetacia and birds. The principal corded, and the monthly averages were 30 and 40 food of the travellers over the ice was procured by degrees below zero. The ice showed no prospect of the rifle: it consisted almost exclusively of the breaking up. Careful surveys were made as late as penimican. the first of May, when the water was at least 70 or With reference to the channel above described 80 miles from the ship. It being beyond question and principles to determine whether or not it is an under weigh, and the greatest speed used in fitting

As soon as the boats were ready provisions were line of coast presenting something unchangeable— and laid down so as to fill up the space between the

the legs of the oarsmen. There were three boats, check a too relaxed state of the bowels, swallow the one of which (the Dingy) was soon broken up and pulp with the sams, viceting the sector. This may fuel. Two buffalo robes, a few blankets and a tarture graph be used as a medicine, while, at the same paulin, composed the sleeping accommodations of the party. They had eighty miles to go upon the ice, but as their party were weak, both in numbers and in health, they were obliged to take one boat a time. The hummocks in the ice were often that they with or immediately after your regular table them with or immediately after your regular. at a time. The himmocks in the ice were often three or four feet high, and the eighty miles were traversed by many of the party several times over. The ship was left about the 20th of May, and they were a month in traversing the eighty miles of ice. In one single day, after launching their boats, they had during the month previous.

rassing Sutherland Island, they came withing 10 to sudden changes of temperature, and to impure air miles of Hakyshyt Island, where they were obstructed by ice. The next day, however, the ice opened with the tide, and they reached that island. Here they were compelled to stop for two or three days by the ice. They then went on the Dallymple rock, where they were delighted to find thought of the bridge of the interval of the in sands of fresh laid eggs of the eider duck. They were detained there by a south-west wind for a are among the most quickly fermenting, easily deweek, during which time they lived almost entirely composed manures. In warm weather the work of on eggs. They then packed down a thousand, and decay commences immediately, and in a very few suiled for Natilick, an Esquimaux settlement. They days one-half or more of the weight goes off in a met little obstruction from the ice, and when they gaseous form. This keeps the air constantly load-did they were generally delayed only until the next ed with noxious, unhealthy matters, which are

sight of Cape Dudley Diggs, which is well known to the whalers. From there they ran on until they met the ice off the great glacier, a little north of Cape York. Here they were detained by the ice for a week, but as their quarters were near an immense concery, where countless thousands of birds kept up a continual eawing, and they were able to shoot as many as they pleased, they were not very impatient. Each man ate one or two of them at a meal, and they made up for lost time. At last the ice released them, and without very much obstruction they sweating and panting, with scarcely a breath of air arrived at Cape York about the middle of July. ing Cape York, they passed into Mclville Bay.

Pushing boldly on, sometimes venturing even into the pack ice, they came successively to the Devil's Thumb, Horse Heart Promontory, and finally to two be knocked off in front or on the sides at the two be knocked off in front or on the sides at the tremainty that the stables is the stables of the stables in the stables of the stables in the stables of their joy was complete.

Three of Kane's party, seamen, died from exposure. The remainder were more or less frost bitten. fleshy.

How to Eat Grapes.—The Water-Cure Journal—pretty good authority in such matters—says few people know how to eat grapes. Some swallow ejecting both seeds and skin.

In a conversation with Dr. Underhill on this suband you wish to relax them, swallow the seeds with tance.

thwarts of the boat, just room enough remaining for the pulp, ejecting the skins. When you wish to one of which (the Dingy) was soon broken up for pulp with the skins, ejecting the seeds. Thus may

A PLEA FOR HORSES.

We have a word to offer to our farming friends made, by a splendid sail, almost as much as they who employ horses as their chief draught animals. The horse of all animals is one of the most sensitive Passing Sutherland Island, they came withing 10 to sudden changes of temperature, and to impure air

The droppings of horses, both liquid and solid, tide.

At last they were gratified and delighted at the sight of Cape Dudley Diggs, which is well known to the whalers. From there they ran on until they arrived at Cape York about the middle of July, which is not literally loaded with the fumes of his During the passage they lived principally on the own decaying excrements, and he goes forth tired little ank, with which, for miles and miles north of and debilitated instead of refreshed, to undergo the Cape York, the air is continually darkened. Round-severe toils of drawing the plow during the sultry hours of the afternoon.

The remedy for this is very simple. If the stalls

removed at least once a day, and by all means keep the floor well sprinkled with some deodorizing material. A weak solution of sulphuric or muriatic No traces were discovered of Sir John Franklin and acid is excellent for this purpose; but these are his party. The party has returned in excellent often inconvenient and troublesome, even if readily health, and all hands have grown quite stout and obtained. Plaster of Paris (gypsum or sulphate of lime) is very good; common salt is also good. Each of these substances increases the value of the manure more than its cost. Dry straw and muck are also very valuable for the same reason.

We have frequently known lime and ashes repulp, seeds and skin; others swallow only the pulp, commended for this, but these rapidly decompose the manure, and greatly diminish its value for applying to crops, and they should never be used unless with ject, he advised that it would be well to observe the muck, or with long manure which is to be immedifollowing rules, namely: When in health, to swall ately covered in the soil. These may seem triffing low only the pulp-when the bowels are costive. considerations, but they are really of great imporOn this account they should never be turned from a and in great variety, they must visit some of our warm stall, where they have perspired for an hour, directly into a wet damp pasture. A horse should never be compelled to he down over night in a wet, well as taste, has prompted the cultivator to reach unsheltered pasture. Let them always have a dry plot, or what is better, a shed or stable to retire to especially if there be heavy dews, fogs or rain. horse will never lie in an open field when a sheltered spot is accessible. Every one must have observed that they always seek the driest spot to be found, and generally lie near a fence, shed or tree. —Orange Judd, in N. Y. Times.

FARMERS' FESTIVAL AT AMHERST.

The Hampshire County Agricultural Society held Thursday, October 10th and 11th. The weather was pleasant, and great numbers from all parts of the county attended, and what was especially gratiphysicians, clergymen and literary men, were there, much relish as those who had the fat oxen and noble horses, or those who made the butter and cheese. spects their exhibition was better than we can show here. In the exhibition of fruits, they are far be-

There can be no comparison between their fat, or working cattle, and ours, as they raise their own, often selling the best to be taken away, while most ident, John Adams, this significant reply: of ours are selected from the finest which can be found in the western part of this State, and from New Hampshire and Vermont. So it is in a considerable degree with the horses,—though in the siderable degree with the horses,—though in the might be added. I cannot, I will not be more exlatter they are able, at any time, to make a fine display of young animals. There were some very fine cattle presented by Messrs, Alfred Baker, of Amherst, Horace Russell, of North Hadley, Frary Field, of Leverett, H. N. Rust, of South Deerfield, wants of the inquiring and thinking minds which Luke Sweetser, of Amherst, H. Hunt, of New Salone form so large a part of the community. lem, A. J. Cadwell, Hubbard Graves and Austin Russell, of Sunderland, O. Richardson, of Granby, and others whose names we did not obtain. The town of Leverctt sent in a string of working oxen numbering 53 yoke, and Hadley, 24 yoke, which each other or separated by prejudices, as much as if were a credit to their towns, and these made quite an ocean rolled between them. It would bring mind an attractive feature of the show. Pigs and Poul- and thought to bear on the development of our try were not numerous, or in any way remarkable, bear on the toils of the land, that moment we digbut the show of Sheep was fine, and included choice nify and ennoble them. Mind is the only thing varieties.

ing fine specimens of most of the common varieties. But fruit-raising in that part of the State has not been entered into much as a matter of business, so by a supposed discussion on the adaptation and profit

As before stated, horses take cold very easily, that if our friends wish to see a display of fine fruits, the highest perfection in the art.

The Butter and Cheese presented were in quite when they have completed their evening grazing, large quantity and of the best quality; we have seen nothing to equal it, except at the Berkshire Show at Pittsfield.

> The address was by Charles L. Flint, Esq., Secretary of the State Board of Agriculture, was an excellent one, and we are happy to present the opinion of it given by the editor of the Amherst Express:

The orator began with an allusion to the objects its Annual Show at Amherst, on Wednesday and and advantages of such a gathering, regarding the day as eminently a social occasion, a day of relaxation as well as improvement, and any subject of an abstruse or scientific character requiring a close and the county attended, and what was especially grati-wearisome attention as out of place. He gave a fying, the wives and daughters, not only of the brief sketch of the progress of farming in ancient farmers, but of the mechanics, merchants, lawyers, and modern times, drawing a picture of a Greek farm house twenty-five centuries ago, including the appearance of the farm, the stock and the tools, and enjoying the festivities of the occasion with as appearance of the larm, the maxims of the maxims are the maxims and then Greek and Roman agricultural writers, and then stated briefly the progress which had been made in Like most of the western Societies, in some re-|England and other countries. The troubles and trials of the early farmers of Massachusetts were then alluded to, and many curious facts stated with regard to the farming of the Indians. After the hind Essex, Middlesex, Norfolk and Worcester revolution, the necessity of associated effort began counties, but in the articles of butter and cheese, to be felt, and the Massachusetts society was estabthey entirely outstrip all these counties, with the exception, perhaps, of Worcester.

There can be no comparison between their fatour. greatly embarrassed for want of funds, wrote to the State society for aid, and received from its pres-

"Quincy, Sept. 16, 1812.

"You will get no aid from Boston. Commerce, literature, theology, are all against you; nay, medplicit."

These prejudices had gradually worn away and the societies had accomplished a good work. But some other organization was needed to meet the

The importance of a Farmers' Club in every town and every village of the State was dwelt upon at considerable length, showing their tendency to promote the best social feelings, and increase the intercourse among farmers, too often isolated from that distinguishes the toils of man from the toils of The exhibition of fruits was creditable, there be- the brute, and those occupations which neither require nor admit of the exercise of mind and thought descend to the level of mere brute force.

The management of such a club was illustrated

of flax, in which many important facts with regard reality. By dashing a small bottle of sulphuric to this crop were given.

farming attractive to the young.

The highest gratification which we found, was not in the noble horses, fat beeves, milch kine, pigs, poultry, or vegetables, but in the expression of a sentiment fast increasing in the rural population. A great many people have discarded the belief that labor is an evil, and that there is no enjoyment in the occupation that earns the bread we eat and the delightful homes we occupy. After looking at all the departments of the exhibition, we were so fortunate as to be introduced to several of the women of Hampshire county, and in their expressions of attachment to rural life, and of the happy influences of rural occupations upon themselves and their children, we found a source of gratification far exceeding that which any other matter afforded. They feel that in the calm and rational pursuits of agriculture and its kindred branches, horticulture and arboriculture, there is less excitement of the passions, less temptation to lure from the paths of virtue, and a constantly ennobling influence that lifts the soul through nature up to nature's God. That God is daguerrotyped, as it were, before us all; that we see his wisdom and love, in the bending grass, the trembling leaf, the sparkling dew, and in a thousand wonderful operations constantly carried on by His superintending care, and which are ever present to him who cultivates the soil. That there are lessons of trust, of confidence, of submission to be found in the garden and field in many different forms; that wisdom may be found in every flower that blooms, or insect that lives; that there are

> "Tongues in trees, books in the running brooks, Sermons in stones, and good in everything."

Such sentiments are gaining ground, and as they are received, will the farm-house become embellished with books, with shade trees, with climbing plants and flowers, and contented hearts, and the home of the farmer become the happiest of all in our land.

So the Hampshire Show was a successful one, because it was constructed upon principles which will make men better and happier—a rational Holiday, which should be kept pure from all distracting influences of whatever name.

Our thanks are due Mr. Dickinson, the President, and Mr. BOYDEN, the Secretary, for kind attentions.

mechanies, in which he remarked that the setting ground, and then take a basket on your arm, and of the Thames on fire was no longer a joke, but a from it take a small handful of ashes, and cast it at

ether, with a few particles of metal potassium, into The address closed with the importance of edu- a flat cistern, a bright flame was produced, which cating farmers for their profession and making illuminated the whole place. He then laid down four plates of red-hot iron on four bricks, and one During the delivery of the address the church of his attendants walked over them barefooted, was crowded, and the close attention of the audience without any injury. By wetting his fingers in amevinced the satisfaction with which it was received. monia, the Professor dipped them into a crucible of melted lead, and let the metal run off in the shape of bullets into a shallow cistern of water.

THE TILLER OF THE SOIL.

BY DAVID L. ROATH.

A hardy, sun-burnt man is he. A hardy, sun-burnt man; No sturdier man you'll ever see, Though all the world you scan. In summer's heat, in winter's cold, You'll find him at his toil: O, far above the knights of old, Is the tiller of the soil.

No weighty bars seeure his door, No ditch is dug around ; His walls no cannon bristle o'er. No dead lie on his ground. A peaceful laborer is he. Unknown in earth's turmoil: From many erushing sorrows free, Is the tiller of the soii.

His stacks are seen on every side, His barns are filled with grain; Though others hail not fortune's tide, He labors not in vain. The land gives up its rich increase, The sweet reward of toil, And blest with happiness and peace, Is the tiller of the soil.

He trudges out at break of day, And takes his way along, And as he turns the yielding clay, He sings a joyjul song. He is no dull, unhappy wight, Bound in misfortune's coil; The smile is bright, the heart is light, Of the tiller of the soil.

And when the orb of day has crowned With gold the western sky. Before his dwelling he is found, With cheerful faces by-With little laughing duplicates, Caresses will not spoil; O, joy at every tide awaits The tiller of the soil. A hardy, sun-burnt man is he. A hardy, sun-burnt man; But who can boast a hand so free, As he, the tiller, can? No summer's heat, no winter's cold, The power has him to feil: O, far above the knights of old

ASHES IN AGRICULTURE.

Is the tiller of the soil!

Wood ashes is one of the most important fertilizers. It is easily obtained in any quantity, and at Walking on Red-hot Iron Plates,—Prof. little or no expense. Take them carefully from Pepper recently delivered a lecture in the Pyrotech-your hearths and save them until your corn and po-nic Institute, London, before a large audience of tatoes have arisen two or three inches from the the root of your plants, and hoe them soon, so as to have the pleasure of seeing them devour unhappy cover the ashes.

wood or plants which are consumed; part of these punished by being thrown to wild beasts. At last are soluble and part insoluble. Thus dissolved, pot- the nation became so effeminate, that the army ash will dissolve silica and prepare it for glazing the which had been the terror of the world, and was in stalks of cane, corn, wheat, &c.

Leached ashes has parted with most of its potash, tion of many foreign legions. It is the commonly but it still retains its phosphoric acid and most of received opinion that Rome was conquered by vast its lime. Ashes neutralize acids in the soil; they hordes of barbarians from the North, but it will warm cold, messy, wet places; they are very de- easily be seen that slavery was the conqueror, for structive to insects; they assist to break down and if the Romans had remained a free, virtuous and dissolve the coarse fibres and stalks in compost industrious people, they could have withstood all heaps; and render hard, clayey soils, open loamy the world. and fertile.

The potash, so material to most crops, can be obtained here, only from ashes. In granite regions, potash is obtained from the dissolution of the feldspar, but we have none in this region of country.

Wheat contains a large proportion of potash. Fifty-nine per cent of the ash of corn is carbonate and at best but a mere glance of it can now be of potash, one half of the earthy part of Irish pota-taken, yet its importance is so great, in this mode of toes is pure potash.

Save your ashes, therefore, as carefully as you do too hastily. your five and ten cent pieces, apply them to your crops with care, and you will find them of a rich, "The characteristic of all modern artists, builders deep green color while growing, and heavy with nu-among the rest, seems to be to spare their time and triment at harvest.—. Incient City.

For the New England Farmer.

DIGNITY OF TOIL.

nia, made an equal division of land, and destroyed all builders and persons about to build, which is the commerce by the introduction of an almost valueless result of extensive research, and the patient praceurrency, he performed an act bold and novel betical experiments of Lieut. Wm. H. Wright, of the yond all precedent, requiring unlimited authority U. S. corps of Engineers, while engaged on the for its performance. And he acted from wise mo-public works in Boston harbor. The following tives, for Sparta was a small country, surrounded by directions for preparing mortar and concrete, are warlike nations, and he hoped by suppressing all gleaned from the mass, and partly in the language wealth and luxury, to be able to maintain its indee of the book. He says, sand performs no chemical pendence. But he made one great mistake—he part in mortar, but is entirely passive in its influence; destroyed the dignity of labor, for the work of till-lit appears rather to diminish the adhesiveness or ing the soil was performed by "helots" or slaves, tenacity of the limes, and though it may often add and were swallowed up in the Roman vortex.

were a virtuous and industrious nation, who paid in every respect, whether we regard tenacity, resisgreat attention to agriculture, the land being tance, or the property of setting under water; though owned chiefly in small parcels; each proprietor cul- a mixture of cement and sand for stucco and pointtivated his farm with his own labor. And so long ing mortar is better than pure cement, as being less as their great men were called from the plow to liable to crack, and therefore more durable when the senate and the tribunal, did they increase in exposed to the sun in hot weather. In general, a popularity. But when the nation had waxed migh-moderate portion of sand is mingled with cement, ty, had fought many wars and conquered many na- for the sake of economy, except in peculiar circumtions, then slave labor was almost universally adopted: not only in agriculture and the mechanic arts, but also in nearly all of the professions, slaves we discontaining soft earthy matter, should be rejected for mortar, or if retained should be washed, be found. Consequently it became a disgrace for a lts presence is easily detected by its soiling the free citizen to labor—they became effeminate and hand. dissolute. In their amusements they showed a de-

eriminals; and slaves for various offences, most par-Ashes contain all the inorganic substance of the ticularly for any attempt to gain their liberty, were the early ages of her existence composed of the Not a particle of ashes should go to waste flower of her youth, was ruined by the introduc-

South Hadley, Sept., 1855.

For the New England Farmer.

GRAVEL WALLS.

Mr. Editor:—The subject of mortar is extensive, building especially, that it cannot be passed over

Shaw, in one of his works on Architecture, says: labor as much as possible, and to increase the quantity of the article they produce, without much regard to goodness, and perhaps there is no manufacture in which this is so remarkably exemplified as

in the preparation of common mortar.'

There is a work on mortars, now out of print, but Mr. Editor: - When Lycurgus, ruler of Laco- which should be in print, and in the possession of consisting of prisoners taken in war, and their de- to their resistance, is employed chiefly for reasons scendants, who were treated with great rigor, while of economy. It is useful, however, as an ingredient they, (the Spartans.) spent most of their time in of mortar, in some other respects; it moderates military exercises; and subsequent to the death of the shrinkage of the cementing matter, making it Lycurgus they became luxurious and effeminate, uniform, and preventing cracks; probably facilitates d were swallowed up in the Roman vortex.

The Romans, in the early ages of their history, Sand diminishes the strength of hydraulic cement

A suitable proportion of sand or fine gravel, by praved taste; amphitheatres were erected at vast ex-filling the void spaces in the lime paste, and by the pense; lions, tigers, elephants, alligators and other adhesion of its particles to the lime, is important in ferocious beasts, were brought from various parts of point of economy, as it is the least expensive ingrethe world, in order that the Roman populace might dient. A very important part in mortar-making,

then, is to know what is the smallest amount of sand, stone broken into small fragments, broken eementing matter admissible in its preparation bricks, gravel, shells, and the like. The coarser in-The cheapest, and only allowable combination, is the gredients are added to the mortar of sand and filling of the void spaces of the sand. To ascertain cementing matter, with a view of giving hardness the void spaces, fill a vessel of known capacity, and incompressibility, and of lessening cost—and with dry silicious sand, and after slraking it com- this cost is reduced to the utmost by the use of paetly, add water until it appears on the surface, the fragments of various sizes, and sometimes by a cerquantity of water is the measure of void spaces of thin proportion of gravel, in order to make the sum the sand. The rate recommended by Lieut. Wright of the voids as small as possible. Of the materials for proportions, is, to twelve measures of course employed at Fort Warren, brick fragments have dense sand, five of the cementing ingredients in usually been preferred as affording the best results, paste somewhat firmer than properly tempered The proportion of cementing matter should always mortar. To five measures of middling sand, two of be such as to form good mortar, with the sand alone; the cement; to three measures of fine sand, one and the mortar, thus composed, must always be admeasure of the cement. A cask of stone lime ded to the solid particles, in the least sufficient weighing 240 lbs., net, will produce 8 cubic feet of quantity to fill up the voids. This, however, would stiff paste, and will admit of sixteen bushels damp be the minimum of mortar, and would rarely pro-

From the extended quotations and remarks on at the public works in Boston harbor. the adhesive mixture for gravel or concrete build-

buildings.

the wall.

ticles together.

foundation started, and with it the whole edifice pebble being well covered with mortar.

Two turnings usually sufficed to make the mixcloud of lime powder. It was built of gravel and ture complete, and the resulting mass of concrete gravel together.

English concrete are used for similar purposes, and furnished with a handle 3 to 4 feet in length. Beton or concrete is nothing more than a mortur, to which are added coarser materials than are found enbic feet of stiff lime paste, 11\(^3\) stiff cement paste, in sand. The materials proper for use in the manu- and 12 cubic feet of damp and loose sand, equal to facture of concrete, are hydraulic lime or cement, 32 cubic feet of close sand. The products amount-

loose sand; and the lime paste should become cold duce a good result. An excess over this amount before the sand is added.

The concrete for the sea-wall at Lovell's Island ings, it is apparent that the true principles of mor-was prepared by mingling mortar of hydraulic tar-making should be applied to those, of all other cement and sand, and a shingle or gravel of slaty texture. This gravel consisted of all sizes, from the Bricks are porous, and the carbonic acid of the bigness of a pea to stones of six inches in diameter, atmosphere, small as it is, being only one part in so proportioned as to fill the void spaces. A batch one hundred, will in time reach the mortar to a of mortar was composed as follows: 1 cask cement, considerable depth from the surface. The unavoid-equal to 33 cubic feet stiff paste; 104 cubic feet damp able interstices in the concrete, admit also the at-loose sand, equal to 8 cubic feet dense sand. One-half mosphere, and besides, the walls may be ventilated of the sand was put into a box and spread out, then a from bottom to top at intervals of a few feet by eask of cement, and over this was spread the remainmoveable tubes, round or square, to draw up as der of the sand. Water was then added, sufficient to the work advances. The ventilators serve to harden produce a somewhat pliant mixture, and then mixed the mortar at these points, and rapidly strengthen in the usual way. The result was 104 cubic feet of quite stiff mortar. This batch was mixed with Of the buildings erected in this vicinity of con- 31½ cubic feet of gravel, the void spaces of which erete, the majority stand, and it is much to be were estimated at 20 to 25 per cent. of its volume. hoped they will stand to a remarkable old age. The minimum of mortar would be between 7 and 8 Others have fallen, and of those fallen an examinal cubic feet, but two more feet were allowed to comtion shows that the stones and particles of gravel pensate for imperfection in the manipulation. The were little more than whitewashed, without an ap-concrete was prepared by spreading out the gravel proximation of adhesive mixtures to bind the par-on a platform, in a layer from 8 to 12 inches thick, the smaller pebbles on the bottom and the larger Of those concrete buildings which have fallen, one on the top, atterwards spreading the mortar over it at Lexington was built on a wet site. The base-as uniformly as possible. The materials were then ment was some of the time under water, and upon mixed by four men, two with shovels and two with a foundation of lime concrete. The design was, one hoes, the former facing each other, and always story above the basement, and the thickness of the working from the outside of the heap to the centre, wall one foot. But it was carried up two or three then stepping back and recommencing in the same stories. While the frost remained it stood, and way, and thus continuing the operation until the when it came out it fell. One at Lynn, 2½ stories, was whole mass was turned. Then men with hoes workplaced on a stone foundation, supposed to be good ex-led, each, in conjunction with a shoveller, and were cepting the lack of a thorough coating of hydraulie required to rub well into the mortar each shovel full, cement above the underpinning, on which the con- as it was turned and spread, or rather scattered on crete should be placed, to prevent the attraction of the platform by a jerking motion. The heap was dampness from the ground,—a precaution needful turned over a second time, in the same manner, but to a brick or stone building as well as to one of in an opposite direction, and the ingredients were concrete. It was thought by the owner that the thus thoroughly incorporated, the surface of every

smooth colable, without the coarser rubble stones, (33) cubic feet) was then ready for transportation and probably nearly destitute of such a preparation to the foundation. The concrete was taken to the of mortar as is requisite to hold brick and stone and foundation, levelled and rammed. The rammer was a cylinder of wood 8 inches in diameter and 8 Lieut. Wright says "that the French beton and inches high, and its base was faced with sheet iron,

ing, as our author says, to 40 cubic feet of stiff mortar. Of this mortar 1 of the batch was used in making concrete—say 133 cubic feet of mortar, 221 cubic feet of granite fragments, and 113 cubic feet of gravel, making 333 cubic feet of stony material. In the preparation of this batch the gravel was first mixed with a portion of the mortar, and when well incorporated, the mass was spread out, over which were then spread the granite fragments, and afterwards, the remainder of the mortar. The whole was then worked thoroughly, and produced 38½ cubic feet of concrete. The gravel consisted of various sizes, from that of a pea to that of a small physic to the physician. Both are made available, hen's-egg, and the fragments of granite were broken to about the size of a hen's-egg. This concrete was good sound common sense; necessary in the varied placed in a very dry situation. But if it was placed aspects and different developments of the same, and below ground, I am convinced that the pot lime also of different diseases.

After the thorough and critical experiments of our author, he illustrates the economy of using concrete, by giving a table of the cost of masonry at Fort Warren.

should have been omitted. The cost of this concrete

Rubbled masonry, dry, costs per cubic yard, about \$3,00 Rubbled masonry laid in mortar, - - - \$4,25 Brick masonry per cubic yard, - - - - \$6,25 Brick masonry per cubic yard,
Facing stone, sea-wall beds and joints hammered,
Concrete, least costly kind a little over - \$2,00

Concrete, most costly kind a little over - \$3,50

In this compend of Lieut. Wright's valuable book, justice is not and cannot be done him; a newspaper article being too limited. If the work was to be obtained of the publishers or the trade, I should have referred your readers to it for ample information on the subject of which it treats.

Waltham, 1855.

was \$2,624 per cubic yard.

W. H. K.

For the New England Farmer.

PLUM ROT.

body is thankful, or should be, after a long drought— I look out upon my plum trees near the windows, Now in this place we sail in small boats, and have at the same time taking up the N. E. Farmer to guard against an approaching storm, that we read again. I notice particularly the "Extracts and may see ourselves safely in harbor. Replies," and only wish that I had inquired, too, why my plums rot upon the trees, just as they had voted the use of the hop to any purpose that it was attained their natural size and beauty, and look as not used for ten years ago? if ripe. How disappointed! After having spent end, attacked with the "plum rot," every one of the same time to come? them of the "same sort," not even a "few left."

Is the price of the ar This is one trouble. And here is another. at the Isabella grapes—Jack Frost did it all—we England? know who did this, and do not inquire. But a few days more, and I should have had my heart's desire, ripe grapes. In looking over the "Extracts and Replies," I must confess that I smile at others' troubles; (misery loves company, you know.) For here is one Mr. A., who says, "I wish to inquire," cc; Mr. B. says, "I am much troubled," &c.; Mr. B. says, "I am much troubled," &c.; Wr. B. says, "I am much troubled," &c.; Mr. B. says, "I am much Mr. C. says "Will you inform me," &c. Now, all I want to know is—though I would like to know what Mr. A., B. and C. want to know-what is the cause and preventive of "my plum rot." But no grumbling—while I have gangrenous plums, I have pears fully ripe—though Jack Frost claims my Isabellas, my Dianas are left, and I like them bestso no grumbling, it's all right.

Plums and Grapes.

Manchester, N. H., 1855.

For the New England Farmer.

HOPS---INQUIRIES ABOUT.

Mr. Editor:—From a child I have been accustomed to experimental farming on a slope of one of the Green Mountain ranges. Perceiving and sensibly feeling my inefficiency, with the hope of obtaining some idea of what is termed its theory, I some time since, commenced as a reader and also a subscriber to the New England Farmer

To the agriculturist, a knowledge of its theory may be of about as much consequence, as that of when accompanied with a corresponding share of

I ask my brother farmers if in too many instances, our sickly soils do not denote that their attendant physician has been a mere quack? Why is it that so many of our brethren are obliged unremittingly to toil, from "early dawn to evening's shade," until they are physically and intellectually more feeble than the soil they cultivate, in order to make the "strap and buckle come together at the end of the year," quoting from my good old neighbor, Economy?

While I hail the weekly arrival of the NewEngland Farmer, I lament that those whose organ or mouth-piece it should be, should compel individuals in the learned professions, and perhaps some gentleman farmer, to do so much of the talking. I believe, however, that my brother farmers do go to the editor with some of their more difficult questions. I propose a simple suggestion, and a question or two. Will experimenters in the soil be more particular in stating the nature, formation, and locality of their soil, as well as its treatment and results?

The deacons and laymen in agriculture, if not FRIEND Brown: -As the rain pours and every the priests of this vicinity, are making almost one simultaneous rush into the hop-growing business.

I wish to inquire, first, has art or discovery de-

What has been the average price of hops for fifso much time, money and labor to have trees laden teen years past? What, with the best information with unripe fruit, promising a full harvest in the for judging, might be considered a safe estimate for

Is the price of the article any more fluctuating Look than that of other staple farming products of New

Waitsfield, Vt., 1855.

Massachusetts Horticultural Society.—The following officers have been chosen for the ensuing

Vice Presidents—Benjamin V. French, Cheever Newhall, Edward M. Richards, Josiah Stickney.

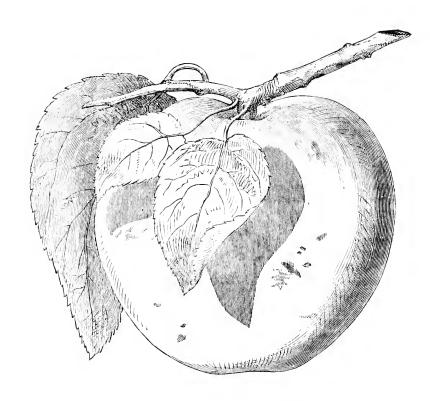
Treasurer—William R. Austin.

Corresponding Secretary—Eben Wight.

Recording Secretary-W. C. Strong

Professor of Botany and Vegetable Physiology— John Lewis Russell.

Professor of Entomology—T. W. Harris, M. D. Professor of Horticultural Chemistry—E. N. Horsford.



EARLY SWEET BOUGH APPLE.

SWEET HARVEST-AUGUST SWEETING-YELLOW BOUGH.

one side than on the other, and in size from medi- and shall present at some future time. um to large. Skin smooth, taking a damp, sticky polish. Color, greenish-yellow, with a pale dull blush on one side, spotted with small dark brown spots and little patches of russet. Stalk, short and slender, rarely extending close to the level of the ridge of the cavity in which it is set, which is deep and cylindrical. Flesh, white, tender and sweet; neither very rich nor juiey, but very pleasant to the taste; when over-ripe it becomes rather dry and mealy. Calyx, narrow and deep, extending tubelike into the heart of the fruit. Ripens in August excellent baking or table apple.

sketched grew in the fine garden of our fellow- worth at lowest estimate, one cent per lb .-- all this townsman, W. W. Wheildon, Esq. Mr. W., though on a space not exceeding one rod of land. This engaged in conducting a newspaper and printings shows what can be done by careful cultivation. So house, finds time to direct the affairs of one of the great was the admiration of these squashes, that have a squashes with the squashes and the squashes with the squashes and the squashes are squashes as the finest gardens in our neighborhood, and to culti- at the Hall, that Haverhill might have the benefit vate many varieties of the best fruits and flowers, of the seed. He will please accept our thanks for this and other S. Danvers, Oct., 1855.

Fruit nearly round, sometimes a little longer on specimens of fruits, which we have had sketched,

For the New England Farmer.

FINE SQUASHES.

I saw at the Exhibition in Haverhill, six squashes of the crook-necked variety, said to weigh on an average 30 lbs., as handsome as any squashes I have ever seen. I learn that their meat was fine grain and superior for cooking. I had the curiosity to inquire of Mr. D. Buxton, Jr., of S. Danvers, who presented them, how they were reared. He said these, with others to the amount of 400 lbs., as he judged, all grew on two vines. They grew in Massachusetts; is hardy, bears well in light soils, in one corner of his onion field, with no other exand Cole says is the "best early sweet apple tra attention, except one bushel of good manure in known." It is too sweet for pies or sauce, but is an the hill. They were all thus planted, and all the plants in the hill except the one most vigorous were taken out. Care was taken to keep the bugs away, The apple from which the above engraving was and the product was at least 200 lbs, to a hill-

FACTS FOR FARMERS.

without exception, good:

"Never keep your cattle short; few farmers can afford it. If you starve them they will starve you,

It will not do to hoe a great field for a little crop, or to mow twenty acres for five loads of hay. Enrich the land and it will pay you for it. Better farm thirty acres well, than fifty acres by halves.

In dry pastures, dig for water on the brow of a hill. Springs are more frequently at the surface on a height, than in a vale,

The foot of the owner is the best manure for his

Cut bushes that you wish to destroy in summer, and with a sharp instrument; they will then bleed freely and die.

When an implement is no longer wanted for the season, if you carefully lay it aside, you will have it

in good order for use next season. Cultivate your heart aright, as well as your soil,

remembering that 'whatsoever a man soweth, that shall he also reap.'

Build a spacious barn when you have learned to raise a crop to fill it,—and not before. Keep notes of remarkable events on the farm.-

To record your errors even will be of benefit.

Good fences make good neighbors.

The better animals can be fed, and the more comfortable they can be kept, the more profitable

Clover sowed deep, is secured against a drought cows fed well in winter give more milk in summer, and what ought to be done should be done to-day, for to-morrow it may rain.

You may laugh at this advice if you think

proper.'

OAT MEAL AND THE INTELLECT.

tion for the Advancement of Education, recently gathering nearer and nearer in the fearful chase, held in this city, Prof. Haldeman advocated the use. The contest now became desperate. In five minof high phosphorized food for teachers, they hav- utes we should have been overturned and trampled ing much expenditure of brain. He said "the to death; but at this juncture I threw out my overreason why the Scotch were so intellectually acute coat, and, with an awful clamor, they paused to and active must be attributed to the use of oatmeal fight over it and tear it into shreds. Driving at in their youth. Oats contain more phosphorus full speed, I tossed out a cushion; the infuriated than any other vegetable." He also recommended devils trampled it into atoms, and came rushing on, eggs as excellent food for teachers, in order to in-their horns clashing against the buggy, and ripping crease their intellectual capacities. But the mental up the ribs of my horse. At this fearful moment acuteness and general intellectual strength which we were providentially saved. A monstrous oak, characterize the people of the above-named country with a forked top, had fallen near the road, and into cannot be due to the phosphorus of their oatmeal, this I plunged my horse breast high, and he was which is their common breakfast food, for it so hap-safe, the back of the buggy being then the only pens that wheat contains more of it than oats. The assailing point. At this time the whole column quantity of soluble phosphates in wheat, according made a dash, but I met the foremost with six disthan one per cent. greater than in oats. In his Taylor's best were shivered in their faces; next a work on Agricultural Chemistry, pages 503 and cold turkey, and finally a bottle of Scotch snuff—510, the composition of wheat and oats is given in the last shot in the locker. This did the business. tables. Oatmeal is, no doubt, very excellent food Such a sneezing and bellowing was never heard befor man and beast, and so is Indian corn meal, but fore; and the one that got it put out with the whole neither of them will confer intellectual acuteness troop at his heels, circling round, scenting the blood upon any man. Dull teachers or dull men cannot that had been spilled, and shaking the earth with be made philosophers either by the use of eggs or their thundering tramp. I was fairly in for it, and meal for the metaphysical mind of the North Bri-they would disperse, as in 'fly time' cattle graze at tons. That cause is, no doubt, to be found in their night. I was relieved, however, by the approach of education. Common schools have been in existence some cattle drivers, who, galloping up on shaggy in that country for two centuries, and the strict but muscular horses, and with whips twenty feet

family training of children by catechisms being The following hints, for a wonder, appear to be, similar to that which used to prevail in New England, and various other parts of our country. Welsh, the Norwegians and Irish use oatmeal extensively for food.—Scientific American.

ATTACK BY CATTLE UPON A RED WAGON.

The following extract is from one of Col. Claibourne's letters from the pine woods of Mississippi, published in the New Orleans Delta:-

"I set out for Augusta, bowling merrily along in blood-red buggy. The road is beautiful, roofed a blood-red buggy. ~ over with trees and vines, and the air fragrant with the breath of flowers. There was only one drawback—the myriads of flies, of every species, that swarmed around, and ravenously cupped the blood from the ears, neck and flanks of my horse. It is what is appropriately termed here 'fly-time'—that is to say, the period when this numerous family of scourges have it all their own way, and neither man nor beast can venture into the woods with impunity. Now the cattle from a thousand hills, and even the wild deer, seek the abodes of men, and huddle around some smoking pine, or stand in some open field to escape their periodical tormentors. On a sudden curve of the road, I found myself in one of these 'stamping grounds,' and a simultaneous roar from five hundred animals gave notice of my danger. It is well known that the Spanish matadores provoke the wounded bulls of the arena by flaunting the moleta or blood-red flag before them. It was the color of my equipage that excited this bellowing herd. They snuffed the air, planted their heads near the ground, tore up the earth with their hoofs and horns, and glared at me with savage ever. The fierce phalanx blocked the road, and they plunged on every side, ernshing down everything in their course, goring and tumbling over each oth-At the annual meeting of the American Associa- er, filling the woods with their dreadful cries, and We must look to some other cause than out-made up my mind to remain until sunset, when

long, which they manage with surprising dexterity, made a wide, close-fitting leather belt for each tree, turned to a useful purpose.'

For the New England Farmer.

THE CANKER WORM AGAIN.

PLANS THAT HAVE BEEN TESTED, AND THE RESULTS.

the aid of cither.

I collected all the old boot-legs about the premises, use of the leaden collar. As the time is now at hand carried them to the garden, and with awl and thread when the intelligent farmer will be devising some

soon drove the herd to their cow-pens, for the and over this laid a thick mixture of tar and india purpose of marking and branding. This is done rubber, but after a short time, the coating became every year in 'fly time.' The eattle ranging, scat-hardened in places, and Mr. Moth marched triumphtered thirty miles around, are now easily found col- antly up. The next winter I set to work in carnlected at their stamping grounds, and are driven to est, determined to barricade the persistent enemy, a common pen or pound, where the respective own- if the thing could possibly be done. Commencing ers assemble and put their marks and brands on the in October, every fair day when the temperature increase of the season. Thus the Egyptian plague is was such that the moth could possibly be stirring, each tree received a fresh coating of tur. This plan, as might be conjectured, did the work pretty effectually, and had I commenced the work a little earlier, probably not a canker worm would have shown himself on the trees for that season. But, CAN WE PROTECT OUR ORCHARDS FROM HIS RAVAGES :- SEVERAL Would such a course pay? Very obviously it would not, when applied to orchards of any size, unless a This is an old question, Mr. Editor, a very old man could bring to his task the patience of a Job, one, as your man of the type very well knows; and after having taught every other department of the it is a question which has proved as perplexing a farm to take care of itself. Besides, this plan puzzle to our brother farmers, as ever could have brought an after and unlooked for harvest; for bebeen propounded by the famous Sphynx of old, tween the running of the tar down the trunks of That little pest, the canker moth, though he has the trees, and the hidden work of the borer behind been exorcised in every way that Yankee ingenuity the leathern band, we barely escaled the loss of put to the rack, could suggest, and though repeatedly condemned to death by divers goodly invencotton-batting discovery. The result of this is very tions, still climbs the trees as large as life and as generally known; it did check the ascent of the natural as ever, and still carefully deposits his eggs, moth, but was by no means a protection. Again, I big with destruction to the most interesting depart-attempted to balk the instincts of the little intrument of all our farming. The little insect which der by enclosing the trunk of each tree at the surproduces the canker worm is the indirect cause of face of the earth, with a box having the form and serious pecuniary loss to the farmer, and he is, position of an inverted truncated pyramid, and bortherefore, compelled to protect himself from his dering the upper edge with a hedge of dry tree ravages; but who is there of us so wise, or so good, trimmings, none of which touched the tree. We that we cannot learn from it "some lesson of wisthat had hoped that the insect, not finding ready access
dom?" I did not take up my pen to moralize, but
consider what an example of self-devotion this litthe creature is. The closing act of its life is to propthe tree, would continue ascending, and deposit its agate its species; when its instinct warns it that eggs among the dead trimmings. But I was dethe period approaches for this, the great business of ceived; their instincts proved too nice and too true its life, how directly it sets out on its mission, how for the success of my plan, and eventually they diligently it seeks a safe home for its future off-spring, and with what untiring devotion it travels their seeds of mischief. Next year I sent for a straight on to destinate and the straight on the destination and the sent seeds of mischief. straight on to destruction, rather than locate its workman in a neighboring town, and employed precious burden, it may be but an inch lower down him, at a heavy expense, to protect each tree with the trunk of the tree, than might be for their best a leaden collar. This collar, as your readers are good. Its love for its offspring appears to be great- doubtless aware, is composed of a leaden trough er even, than its instinct of self-preservation. When civilization felled the wild fruit trees of the forest, it deprived him of his natural home, and driven by men trough and sheds the rain. The leaden collar, from his native retreat, he has entered our gardens, when properly applied and carefully attended to, is, and this, with no more evil design, than one who is doubtless, as efficient a protection as can be designnot a moral and intelligent being, bears in his tiny ed. But there are several objections to the use of body. May we all be as faithful in our several duthe collar; it is costly; the rain in our driving ties, with the light and guidance of our moral and storms is apt to drive in under the roof and float intellectual nature, as this little creature is in completing his part of the great design, though without made will not allow of much plugging, and if they are not watched, the weight of the material is apt In common with my neighbors, my garden has to give the trough a slant, and so drain the oil from suffered much for several years past from the rav-one side, and thus give free passage to the moth; ages of the canker worm. I perplexed myself again, the oil soon becomes a thick, glutinous mass, with the various inventions the ingenuity of man needing but the addition of the dead bodies of a has given birth to, as means of preventing the moth few moths to furnish ample means of passage to the from ascending the trees; for here is where the enemy; or the dust and dirt may blow in, and furnwork of defence begins and ends. First, I did fair ish bridging on a larger scale; and, lastly, spiders, battle with the enemy, and slaughtered at "hand to from the near proximity of the edge of the trough to hand conflict; but the experience of a few days the edge of the roof above, are much in the habit of demonstrated that, in projecting this campaign, I connecting the two by their webs, and so give another had, like the allies before Sebastopol, altogether means of avoiding the snare of cruel man. There are "underrated the resources of the enemy." Next, other objections that might be made against the

means of protecting his trees for the coming sea-crop, and causes the moisture of the soil, in which son, my practical experience, though hastily pre-the plant gets its nourishment, to evaporate. The question again returns, can our trees be proit is only an apparent inconsistency, which vanishes tected from the ravages of the canker worm? I when we reflect upon the manner in which the moisbelieve they can; and that by a very simple remedy, ture is abstracted from the ground. The evapora-which, with your permission, Mr. Editor, I will pre-tion takes place at the surface, and the moisture sent in the next number of the Farmer.

J. J. H. Gregory.

Murbleheud, Mass., Oct. 4.

THE DEW.

is highly instructive: "I had often smiled in the layer of very porous dry soil, or is impervious to cold, as it appeared to me impossible that a thin as well as it would if it were broken. mat, or any such flimsy substance, could prevent them from attaining the temperature of the atmosterms, one may easily test the matter by a simple phere, by which alone I thought them liable to be experiment. Fill three boxes six inches deep with pnere, by which alone I thought them liable to be experiment. But there boxes six inches deep with injured. But when I had learned that bodies on the surface of the earth became, during a still and serene night, colder than the atmosphere, by radiating their heat to the heavens, I perceived immediately a just reason for the practice which I had before deemed useless. Being desirous, however, of acquiring some precise information on the subject, I fixed perpendicularly in the conth of a gross and becomes dry, break it to the depth of one and one-half inches on one of the two and leave it on ject, I fixed perpendicularly in the earth of a grass plot four small sticks, and over their upper extremities, which were six inches above the grass, and formed the corners of a square, whose sides were If we add a fourth box, and stir it from the bottom occasionally it would show the effects of deep ploy. two feet long, I drew tightly a very thin cambric occasionally, it would show the effects of deep plow-handkerchief. In this disposition of things, therefore, nothing existed to prevent the free passage of and night. - Southern Cultivator. air from the exposed grass to that which was sheltered except the four small sticks, and there was no substance to radiate downward to the latter grass except the cambric handkerchief. The sheltered grass, however, was found nearly of the same er labor-saving contrivance in that department, that temperature as the air, while the unsheltered was for practical convenience and utility could compare five degrees or more colder. One night the fully- with that of Mistress Strongatham, a notable Engexposed grass was cleven degrees colder than the lish housewife, whose acquaintance we had the air, but the sheltered was only three degrees colder. Hence we see the power of a very slight awning to avert or lessen the injurious coldness of the ground, eall upon her one summer morning, we found her Library.

CALLY CONSIDERED."

Editors Southern Cultivator:—In the June with a steady stream of talk that was as instructive number of your paper is an article with the above as it was entertaining, for besides her admirable caption, and as you invite your "practical and ob-qualities as a housewife the lady possessed rare conserving readers" to give their opinion on this im-versational powers. portant subject, you have here the opinion of one During our call she directed one of her daughwho is not a practical tiller of the soil, and who proters to some duty in a distant part of the house, fesses to know no more of the matter than can be adding, "I would attend to it myself, but I must learned by observation and reflection. The present fetch this butter." Now, we had known something season has no doubt caused many to philosophize of the process of "fetching butter" in our early on this subject, and among others the writer, who days, and the idea of a snow-white churn and an has arrived at a very different conclusion from your irksome expenditure of elbow grease was as natu-correspondent "J." This conclusion is, that in a rally associated with it in our mind, as was the dry season, the surface of the ground (say one and-compensatory slice of new bread and butter after a-half inches,) should be thoroughly pulverized, but the achievement of the victory. We therefore cast that drep plowing is injurious.

pose of mulching, and prevents the moisture of churning there was no more appearance than might the soil below from evaporating; while deep plow- have been seen in Queen Victoria's drawing-room ing is injurious, because it breaks the roots of the any day in the week. Our curiosity was excited,

sented, may possibly prove of some value to him. Though there seems to be an inconsistency in this, from below is brought to the surface by capillary attraction. Now think of the degree of porosity at which this attraction will go on and the matter is This hint will be sufficient for those acquainted with the laws of natural philosophy. "J.'s" crust, which he seems to value as a retainer of moisture, The following quotation from Dr. Wells on dew I consider to be just the reverse, unless it covers a pride of half-knowledge at the means frequently water. Another objection to the crust is that it employed by gardeners to protect tender plant from prevents the air from circulating under the ground,

But to express the idea without philosophical

MISTRESS STRONGATHAM'S CHURN.

Speaking of churns, we have never seen any othpleasure of making in one of the rural districts of New York some years since. Having occasion to -Hunt's Elementary Physics-Bohn's Scientific occupying her huge chintz-covered rocking chair, rocking and knitting as though the salvation of the family depended upon the assiduity with which she "PLOWING IN DROUGHT PHILOSOPHI- applied herself to these occupations. Not that she was uncivil or unsociable by any means, for the moment we had taken the proffered chair she set in

our eyes about us involuntarily for these indica-The pulverizing of the surface answers the purtions, but we looked in vain. Of either churn or

conversation, the lady rose from her chair, removed they must be tempered: and this is done by rolling the cushion, raised a sort of trap door underneath, them backward and forward on a hot metal plate, and looked into the apparent vacuum with an earn- The polishing still remains to be done. On a very estly inquiring eye. The secret was out. Under coarse cloth, needles are spread to the number of the seat in her rocking-chair was a box in which she forty or fifty thousand. Emery dust is strewed duced by the vibratory motion of the chair, con-spoonfulls over the cloth; the cloth is then rolled verted the liquid into butter.

chair, and entertain her morning guests at the same a tossing in sawdust, they look as bright as can be, time. And such butter as she made! Yellow as and are ready to be sorted and put up for sale. gold, sweet as the meat of the cocoanut, and as hard, But the sorting and the doing up in papers, you too; it always brought the highest price in the "ru-may imagine, is quite a work by itself. ral" market. You may brag of your patent churus if you will, but for novelty, economy, convenience, and immaculate butter we defy them, one and all, when brought into competition with Mistress Strongatham's incomparable contrivance. Of her butter we shall retain a lively and grateful remem- to reply to the second article of "South Danvers forget either.—Springfield Republican.

MAKING A NEEDLE.

work in making the things which she every day past two years. And, though I would not doubt uses. What can be more common, and, you may think, more simple, than a needle! Yet, if you do not know it, I can tell you that it takes a great many persons to make a needle; and a great deal many persons to make a needle; and a great deal many persons to make a needle; and a great deal many persons to make a needle; and a great deal many persons to make a needle; and a great deal many persons to make a needle; and a great deal many persons to make a needle; and a great deal many persons to make a needle; and a great deal many persons to make a needle; and a great deal many persons to make a needle; and a great deal many persons to make a needle; and a great deal many persons to make a needle; and a great deal many persons to make a needle; and a great deal many persons to make a needle; and a great deal many persons to make a needle in the many persons to make a needl hither and thither, and walk into the next street and back again, and take a drive to a mill, in order to see the whole process. We find one chamber of the shops is hung round with coils of bright wire, And suppose he can find one man in the State who of all thicknesses, from the stout kinds used for is not pleased with this potato, does it follow that could be harder to that of the finest combine needles: straightening, for they just came off from coils.

and then taken out, and rolled backward and forward on a table until the wires are straight. This process is called "rubbing straight." We now see a mill for grinding needles. We go down into the basement, and find a needle pointer seated on his bench. He takes up two dozen or so of the wires, true, I have them to sell for seed, and so have I got true, I have them to sell for seed, and so have I got true, I have them to sell for seed, and so have I got true, I have them to sell for seed, and so have I got true, I have them to sell for seed, and so have I got true, I have them to sell for seed, and so have I got true, I have them to sell for seed, and so have I got true. the other. We have now the wires straight and pointed at both ends. Next is a machine which thattens and gutters the heads of ten thousand need that the heads of ten thousand need that the latter of the heads of ten thousand need that the heads of ten thousand need the heads of ten the heads of ten thousand need the heads of ten the heads of ten thousand need the heads of ten the heads of ten the heads of ten the heads of the heads of ten the heads of the head head of your needle. Next comes the punching of the eyes; and the boy who does it punches eight thousand an hour, and he does it so fast your eye can hardly keep pace with him. The splitting follows, which is running a fine wire through a dozen, Now all I have to say to that, is, one thing at a perbuse of these twin problems. perhaps, of these twin needles.

between the heads and separates them. They are Ifmy opinion is not worthy of notice, 1 can give now complete needles, but rough and rusty, and, the testimony of more than twenty-five, if not downward is worse, they easily bend. A poor needle, ble that number of persons, who have raised this

and we resolved to keep our eyes open, satisfied you will say. But the hardening comes next that if we did, "we should see what we should see." They are heated in batches in a furnace, and when And we did. During a momentary pause in the red-hot, are thrown in a pan of cold water. Next, deposited the jar of cream, and the agitation pro- over them, oil is sprinkled, and soft soap dashed by rted the liquid into butter. | up, and, with several others of the same kind, By this arrangement the lady was enabled to kill, thrown into a sort of wash-pot, to roll to and fro not only two, but four birds with the same stone, for twelve hours or more. They come out dirty She could churn, knit, take her ease in her rocking-'enough; but after a rinsing in clean hot water, and

For the New England Farmer.

"STATE OF MAINE POTATO."

Mr. Editor:—I feel it a pleasure as well as duty brance to our dying day; her churn we shall never respecting the "State of Maine Potato." He admits that he knows but little about this variety of pototo from his own experience, but was led to make the statement concerning it, from what he heard from another, and he, one who is little accustomed I wonder if any little girl who may read this to raising potatoes, and who probably never in his ever thought how many people are all the time at life has raised as many sorts as I have raised the of time too. Let us take a peep into a needle very much question his experience in regard to factory: In going over the premises, we must pass raising potatoes, and especially the sort referred to; cod-fish hooks to that of the finest cambric needles. it is "a miserable concern and entirely unworthy of In a room below, bits of wire, the length of two regard?" On that principle, almost every variety of needles, are cut by a vast pair of shears fixed in the vegetable and fruit we cultivate would be condemwall. A bundle has been cut off; the bits need ned. Has not "South Danvers" been rather fast raightening, for they just came off from coils.

The bundle is thrown into a red-hot furnace; in condemning this potato, because one of his neighbors raised a few, and because those did not and rolls them between his thumb and fingers, with a great many other sorts, among which are an huntheir ends on the grindstone, first one end and then dred and fifty bushels of Davis Seedling, a sort he time, if you please; I want no side issues dragged in A woman, with a little anvil before her, files to prevent a fair discussion of the question before us.

potato, some of them of this town, and many from other towns, counties and States. Yes, I will give the gentleman, if he wishes, the most substantial dents who own "fast nags," please favor me through evidence from his own county. My only object, or the columns of your paper, with an account of their desire is, that the truth may be known, and if this manner of treating them? That is, what kind of potato is as good as I believe it to be, let the farmers raise it; but if "it is a miserable concern," then what quantity, when, &c. I will raise my voice against it as quick as "South Danvers," or any other man, for I detest humbugs, eat much that day? More anon. J. F. C. H.

Newton Centre, Oct. 5, 1855.

EXTRACTS AND REPLIES.

A NEW DEPREDATOR.

Messes, Editors:—For some few years past, my neighbors have, as they supposed, been troubled by the birds taking the ends of their ears of Indian corn, from the time it is in the milk until harvest. Last year Mr. Ames, a near neighbor, informed me that his fields were very much damaged. This sea- a correspondent refers to a disease in the bark of son my turn has come, but it is the work of an in-some of his trees, which he thinks may have been sect, in my case, at least, and I have good reasons caused by a small worm working between the bark for thinking that the birds have been charged with and the wood. As we have had a little experience the labors of this bug, or unknown insect, quite too ourselves in this matter, we venture to give you the

Being yesterday in one of our fields of corn, for the purpose of cutting the top-stalks, I resolved that a small flat worm from one-eighth to three-quarters I would watch some of those ears which had been of an inch in length. It is nearly white and works lately the food of something, I knew not what, when in a lateral direction, reminding one of the motion to my surprise, I found five of these insects very of the chain inside of a watch. It generally combusy upon one single car of corn, and each of them mences its ravages on the south side of the tree, in the very act of cating it and dropping the husks working up and down and if not stopped in season, in very small pieces upon the ground.

three of the insects. Perhaps Prof. Harris, or some the worm, and rubbing over the place affected on other person with whom you may be acquainted, the tree with soft soap, we have succeeded in saving may be able to give us some light upon the subject, our trees, though we lost one or two valuable trees Nearly one-half of the best ears in one of our fields before trying this remedy. Great care must be are badly injured, or partly destroyed.

C. W. Macomber. Yours truly,

East Marshfield, Sept. 11, 1855.

REMARKS.—One of the ears sent us was all destroyed, excepting, perhaps, half a dozen kernels, the other eaten only a short way down from the tip. We made a partial examination of the only one of the three insects left when the box reached us, and put him back for further investigation, but he too escaped, so that we are not able to give even a partial description. The eating off of the kernels was evidently not the work of squirrels or birds.

GUM IN PEACH TREES-ASPARAGUS.

of gum from peach trees?

Also, whether asparagus will do well transplanted in the fall? A Subscriber.

Hadley, Oct., 1855.

BUCKWHEAT PLOWED UNDER.

Can you inform me whether buckwheat will benefit a cold upland soil, if plowed under when in the

Remarks.—Certainly it will, and if enough of it is plowed under, will produce excellent crops, provided the land is well drained.

TROTTING HORSES.

Mr. Editor:—Will some of your corresponfeed they give them; cut feed or their hay whole,

When they are to trot, should they be allowed to

There are many horses owned in the country that would make fair trotters, but their owners not being accustomed to the business, do not know how to take care of them properly, nor how to train A Subscriber. them.

Coos County, Oct. 4, 1855.

For the New England Farmer.

"WHAT AILS THE APPLE TREES."

Mr. Editor:—In an article under this heading

result of our experiments.

The bark is no doubt affected by the working of will girdle the tree. By removing all the dead Herewith I send you a sample of their labors, and bark, and all parts of the bark that bear traces of taken to cut every particle of bark which the worms have worked.

The above information I have gained from my husband, and hoping it may be of some use, I send it to you. Respectfully yours,

Springfield, Vt. ANN E. PORTER.

For the New England Farmer.

BUDDING WITH THE SECKEL PEAR.

Mr. Editor:—The Seckel, Lawrence, and some other varieties perfect their wood very early in the season. A gentleman, to my knowledge, availing himself of this fact, several years since, on the sixth and seventh of July inserted on a standard, buds of the same year's growth. These buds took finely, grew nine inches during the same season, and ri-Mr. Editor:—Will you or some of your corres-pened that wood so thoroughly that without a sinpondents inform me of a remedy for the exuding gle exception they withstood the following winter; they are now fine, healthy branches, laden with their full quota of fruit. I see not, Mr. Editor, why this plan might not be generally practised in inserting the buds of such of our trees as ripen their wood early in the season, and thus a growth of one year be gained on the usual method. Should it be a fact that any early variety perfects its wood sufficiently early, then by inserting a plump fruit bud, might we not occasionally witness the phenomenon of a late erop of early pears produced on wood which grew the same year?

J. J. H. Gregory. Marblehead, Sept. 25, 1855.

For the New England Farmer.

WORCESTER SOUTH AGRICULTURAL SOCIETY.

This Society held its first anniversary under its charter, at Sturbridge, on the 3d inst. The weather was fine, the show of cattle good, the tables hand- due DANIEL P. COBURN, Esq., of Tyngsboro', for a somely covered with fruits and various objects of variety of apples, as well as for a forty-pound melfemale manufacture, and the whole went off in a on. To Mr. Elbridge G. Farmer, of West Camvery satisfactory and encouraging manner. address was by Hon. Amasa Walker; subject, Home who have kindly sent us fruits. Education of the Farmer. The speaker dwelt principally upon the practicability and importance of establishing Farmers' Clubs in every agricultural town in the commonwealth, for the purpose of establishing courses of lectures and classes for studying agricultural works. These he would have united into one great system under the anspices of the State, all acting together, and co-operating for the diffusion of scientific and practical information in interest in the plants that grew in my father's garregard to agriculture, horticulture, and other kin-den. My father was quite a gardener. The neighdred topics. The subject was examined in all its bors, I remember, used to say that his heart was details, and its feasibility illustrated by analogous bound up in his garden. Every morning in the examples. The address was listened to with pro-spring of the year, after the plants began to show found attention, and seemed to meet the approval their heads above the surface of the ground, he of the audience.

For the New England Farmer.

REMOVAL OF STUMPS.

Mr. Editor:—In a recent number of your journal appeared an article approving the use of the stump machine. We have adopted a method in this vicinity for the removal of stumps which I find efficient and profitable. Dig about the stumps to expose the main body, then fill in with dead brush or what after the manner of preparing a coal kiln; cover with sods closely and compactly, open a small place and set the wood on fire, and close all up.

If to see the old ovel leaves growing wider and new keep the covering close, the stump will be reduced to ashes fit for fertilizing purposes.

Every large pine stump which I can treat in this

manner I regard worth about a dollar.

Bangor, Me. Міснаец.

A FARM STEAM ENGINE.

One of our correspondents—A. C. Ireland, of died. What was the matter with the cucumber Chillicothe, Ohio—informs us that a neat portable plants? Were they sick? Was it a disease that steam engine, for driving a grain thrasher and struck them and carried them off? separator, has been constructed at the machine shop of Wm. Welsh, of that place, under the superin-worm at the root," he said. I thought he must be tendence of John Ritchie, and has been in operation mistaken, and told him so. I had pulled up some since the 5th of last July, thrashing and eleaning of the plants which were dying, and could see no from five to six hundred bushels per day. It is worm round the roots. There is a large black capable of doing more than this, but H. Wade—for worm that often cuts off the young cucumber plant, whom it was built—says that this is excellent work. The boiler is tubular, the cylinder is of 6 inches work as neatly as a man could do it with a penbore and 12 inches stroke. It make 175 revolutions per minute, with steam at 40 lbs. pressure, and find. But he was not there, and I knew of no does were work than any common the abits me does more work than any common thrashing ma-other worm that was an enemy to young encumber chine driven by eight horses. It is placed on broad plants. But I found out, from my father, at the tread wheels, four feet in diameter, is easily drawn time I am speaking about, that there is a very small from place to place by two horses, with the boiler worm who kills the cucumber plant as surely as the filled, and is very economical in the use of fuel, black rascal, though he goes at his work in a differ-This engine is capable of driving various agricultuent way. He is a very little fellow, and gets inside ral machines and sawing firewood for the family, the root, makes his home there, poisons the plant, We have no doubt but portable steam engines will and eats out its very life, little by little. yet come into more general use among our farmers, Now, my dear reader, that is just exactly the way as they are so convenient and easily managed in that a certain little worm cuts up everything good

comparison with horses. We believe that on every farm numbering a hundred acres and upwards, a portable engine could be profitably used.—Scientific

ACKNOWLEDGMENTS.—Our acknowledgments are The bridge, for apples, and to several unknown persons

BOYS' DEPARTMENT.

THE WORM AT THE ROOT.

BY UNCLE TRANK.

When I was a little boy, I always took a great might be found among the cucumbers, and the melons, and the peas, and the cabbages; and I learned, after a while, to watch the appearance and growth of these plants with almost as much interest as he

One spring, I recollect, the cucumber plants were quite backward in showing their faces above ground. It grew so late, that he almost despaired of their coming up at all. The weather was too cold, probably, to admit of their sprouting. They came up, other dry stuff, and pile fuel about the stump someappeared at the time when they were first due. properly tended for a few hours, to renew sods and to see the old oval leaves growing wider and new ones of a different shape coming out, one after another, above them.

I was a good deal surprised, though, one morning, to see several of these plants looking sickly; and I was still more surprised the next day, to find them looking worse. Nor was that all the mystery. Other plants were, one by one, attacked in the same way, and they, like the first, sickened and

And I'll tell you the name of that worm, and describe him to you when you come across him, so extensively used on the continent; in Italy, particthat you will guard against his sly mode of doing ularly, they are carried about hot from the oven mischief. I say his sly mode of doing mischief, twice a day, and sold publicly in the streets; thus That is the greatest danger one has to fear. It is they are purchased by all classes of people, and

er, perhaps, twelve. Now, the younger of these would not be found preferable to boiled.—Ag. Exbrothers is beloved by everybody, while the older change. is very generally disliked. Shall I tell you the reason why people regard the two brothers with feel-ings so widely different? I know well enough them open; weigh a pound of white sugar for each what the reason is. It is because one is unselfish, and the other is selfish. Nathan, the older brother, was not always the unlovely boy he is now. When I first knew him, several years ago, though he had then rather too much selfishness about him, I thought I could see a great many things to love in Boil the syrup until it is thick; put the syrup in him. The truth is, that thief of a worm, selfishness, has been at work for years in his heart, and he has been eating all the time. He has grown to be a large worm now. The plants he has fed on have be considered an improvement; one lemon is nourished him and made him grow. He does his enough for several pounds of fruit. Crab-apples work faster and faster, as he gets larger.

It is astonishing what havoe this worm makes in the garden of that boy's heart. The sly fellow does not content himself with one plant. gnaws a little at the root of one, and then goes to another, until he has injured, if not quite spoiled of new milk, as much as desired, over a slow fire, everything lovely in the garden. The worm seems and allow it to heat slowly until it boils, taking to like the finest plants better than the rest, and so pains not to scorch it, as that imparts a disagreeable he eats away at the roots of Kindness, Charity, taste. For every quart of milk take four table-Gentleness, Love, Forgiveness, Truth, Frankness, spoonfuls of flour, beat it well with cold milk to

these.

of the worst enemies you can harbor in your breast.

accuse me of selfishness."

I don't accuse you of selfishness. I hope, indeed, heart, in the first place, and he does his work there a genuine "egg pie," and will scarcely be distinslyly. You had better look out for him. That is guished by the taste. Custards may be made in the better. If he has not crept in yet, don't let they will be nearly equal to those prepared with him in. Keep him out, keep him out!—Youth's eggs. Rice and other puddings may be made with-Cabinet.

LADIES' DEPARTMENT.

DOMESTIC RECIPES.

Baked Beets.—A good housewife assures us that the mode of cooking beets herein described, is preferable to all others:

"Beet root cannot be too much recommended to the notice of mankind, as a cheap and salubrious substitute for the now failing and diseased potato. Hitherto the red kind has been only used in Eng-Hitherto the red kind has been only used in England as a pickle, or as a garnish for salad; even the will do well to try it. They will find it superior to few who dress it, generally boil it, by which process current jelly.—Michigan Farmer. the rich saccharine juice is lost, and the root consequently rendered less nutritious by the quantity of water it imbibes, as well as by parting with the native syrup, of which it is thus forcibly deprived; it sufficient to make a batter about the thickness of is, therefore, strongly recommended to bake instead pancakes. Bake quick in pans previously buttered, of boiling them, when they will be found to afford and eat while they are warm.

in the heart, when he is allowed to stay there, a delicious and wholesome food. This is not an his sneaking way of spoiling the young plant.

A very dear friend of mine has two children.
One of them is about eight years old, and the othfor which baked, or even roasted or fried beet root,

> To Preserve Crab-Apples.—Take off the stem, pound of prepared fruit; put a teacup of water to cach pound of sugar; put it over a moderate fire. When the sugar is all dissolved, and hot, put the apples in; let them boil gently until they are clear, then skim them out, and spread them on flat dishes. whatever they are to be kept, and when the syrup is cooled and settled, pour it carefully over the fruit. Shees of lemon boiled with the fruit may may be preserved whole, with only half an inch of the stem on; three-quarters of a pound of sugar for each pound of fruit.—Godey's Lady's Book.

Custard Pie without Eggs.—Place a quantity Generosity, and such tender and delicate plants as prevent it from being lumpy, and as soon as the milk boils, pour in the thickening and stir it well I tell you what, young friend, Selfishness is one until it boils again, then remove it instantly from the fire. Sweeten to suit the taste, and flavor with "Oh, I'm not selfish, Uncle Frank. Pray don't nutmeg or cinnamon, and it is ready for use, either cold or hot. Prepare the crust as usual for custard pies, fill them with the above preparation, and bake you are not selfish. But, as I said before, this hem an hour in an oven moderately hot. When worm is a sly fellow. He creeps slyly into the sufficiently cooked, they will resemble in appearance my advice. If he is in, turn him out; the quicker the same way, and if baked until the whey starts, out eggs, by boiling and thickening the milk in this way, and if they are well baked will prove excellent.—Ohio Cultivator.

> To Make Good Jelly.—Take apples of the best quality and good flavor, (not sweet,) cut them in quarters or slices, and stew them till soft; then strain the juice, being very careful not to let any of the pulp go through the strainer. Boil it to the consistency of molasses; then weigh it and add as many pounds of sugar, stirring in constantly until the sugar is dissolved. Add one ounce of extract of lemon to every twenty pounds of jelly, and when cold, set it away in jars. It will keep good for

Bachelor's Pone.—One quart of milk, two



VOL. VII.

BOSTON, DECEMBER, 1855.

NO. 12.

JOEL NOURSE, PROPRIETOR. OFFICE ... OUNCY HALL.

SIMON BROWN, EDITOR.

FRED'K HOLBROOK, ASSOCIATE HENRY F. FRENCH, Editors.

CALENDAR FOR DECEMBER.

"Hoary, and dim, and bare, and shivering, Like a poor alusman comes the aged Year. What kind 'God save you all, good gentlefolks !' Heap on fresh fuel, make a blazing fire. Bring out the cup of kindness, spread the board, And gladden Winter with our cheerfulness! Welcome! To you, and yours, and all! All health!" Lay of a Twelvemonth.

union and harmony of purpose.

green meadows and leaves were fol- riod of the year.

liage, with its innumerable tints gleaming in the mal as the landscape generally is, The Garden, sun, and the thousand varying hues of the low must not be forgotten, for Nature does not forget shrubbery, the darker red and purple, or the bright-it. "Though the gardener can find little to do in it, er orange of the shrubs under the walls and fences, she is ever at work there, and ever with a wise or scattered among the undergrowth of the forest, hand, and graceful as wise. The wintry winds of And still another change has come; all these, late November having shaken down the last lingering so beautiful, have disappeared. The noble forest is leaves from the trees, the final labor of the gardenstripped of its summer dress, and its showy, yet er was employed in making all trim and clean: in fading, autumnal vestment, and stands bare in stern turning up the dark earth, to give it air; pruning grandeur, indifferent to all the assaults of Winter, off the superfluous produce of summer, and gath-The graceful elm or drooping willow, the noble oak ering away the worn-out attire that the perennial and ash and the symmetrical maple, have all yield-flowers leave behind them, when they sink into the ed to the common law-have east their no longer earth to seek their winter home." In the garden

useful leaves, and now stand unincumbered to resist the shocks of northern blasts, or to reject the accumulating snows which would otherwise rest upon and crush them to the earth. "Now, denuded of their gay attire, they spread forth their thousand branches against the gray sky, and present as endless a variety of form and feature for study and observation, as they did when dressed in all the flaunting fash-ECEMBER closes the ions of midsummer. Singly, the fruit trees, as trees, circle of the Months have little beauty—but clustering in the orchard, —each has appear-they partially atone for the desolation around them, ed in its turn, bring-land prevent the whole landscape from being blank. ing its peculiar ap- On a closer examination, their bloom-buds, which pearances, and in- the late leaves of autumn, had conecaled from the fluences, and appro- view, stand confessed, upon the otherwise bare priate duties,—each branches, and, dressed, in their patent wind-andin its own way ear- water-proof coats, brave the utmost severity of the rying forward the season,—their hard unpromising outsides, comgreat work of re-pared with the forms of beauty which they contain, production, to sustain the reminding us of their friends, the butterflies, when teeming population of the in the chrysalis state." Now the fields are brown earth; and though so different in and sere, the hills are deserted of oxen and sheep their character, they are equally es-and milch-kine, and look rusty and dull and forsaksential in their relation to the whole, en. Now the low meadows reveal by their bright having a mutual office to perform red leaves and stems, the cranberry patches dotted which must fail without a perfect here and there through their whole extent, and giving those usually disagreeable grounds an attrac-But the change is striking. The tiveness which they do not possess at any other pe-

lowed by our gorgeous autumnal fo- Then THE GARDEN, blank and dreary and dis-

shrubs, are clustering about each other, and seem to sometimes indulge in attempting to divine the name have a mutual understanding that they will resist of the man they were to marry, in various ways, the Winter together like a company of friends in One was for the girls to go to the wood-pile, and adversity, who will support and encourage one each draw a faggot-stick; if the stick was straight other to the last. Sometimes, if the snows have and nice, then the future husband would be goodnot come, and the sun looks kindly into the gar-tempered and kind, but if the stick were crooked, den, a bright Pansy may be seen even in Decem-then the husband would be a "hard customer," and BER, half-hidden under a friendly leaf, but peeping lead them a crooked life. out into the world at mid-day; or a few Chrysanthemums may still linger, their various-colored metre, and it may be interesting to some of our stars looking like faded imitations of the gay, glar-unmarried readers to see it, and is as follows:ing China-aster. Here, too, may flit a bird, lingering too long in his summer home, or perchance one from higher regions north, the pioneer of thousands vet to come. The current and gooseberry bushes, the climbing plants, the raspberry canes, bending their long tops gracefully to the earth, with the edges of box along the paths, and here and there the arbor vitæ, the pine, fir or spruce breaking the north winds and sheltering the more tender plants, give the garden an aspect of warmth and attractiveness, amid the general decay which prevails on the farm.

fields, bare forests, cold and snow and winds only such customs upon the people. compel us to seek within, the enjoyments which the Summer presented to us from without. So we dicates something of the old customs. The Harfind the heart turning to itself for a compensation vest is gathered—all the gods of the Seasons have for what it has lost in the wonderful drapery of the smiled upon us, Ceres, Pomona and old Cybele earth, in soft winds, refreshing showers, singing herself-so that our garners are full, and here they birds, and the joy manifested in the summer season are being presented, perhaps by some of the godby all animated creation. Now we have a compar-desses themselves, after having exhausted all the ative exemption from labor, bright fires and cheer- mysteries of the culinary art in their preparation. ful hearths; gathered households and happy re- Come, then, to the feast, earned by your Industry of full granaries and cellars and barns, and the hope as you will, come with snow and hail and cimmethat all the dear ones entrusted to our care may rian darkness, if you please, you cannot touch the share in the products of the farm, so bountifully cheerful hearts that have gathered the Harvest and lap of honest Industry a due reward.

observe what a wonderful power man has to create, toil, we gladly sing out the last days of the Old as it were, by turning to himself, a compensation Year, and trustfully await the advent of the New. for that which is lost by the operations of nature, and over which he has no control. So December of the farmer are not now so pressing as in some is a merry month—having its merry meetings of the other months, but still, work may always throughout our land, and its "Wish you merry be found, and one important item is in regard to Christmas," on every tongue. In describing the the customs of the people, English history is full of interesting accounts of their enjoyments in Decem-time is short, every thing should be done that may ber, and what is remarkable, and what it would be be, to favor the labor of that period. All the mawell for us to imitate, their ceremonics and happy nure that can be got at, should be removed to the gatherings were always in reference to the Harvest, fields where wanted. While severe frost prevails, had foot-balls, matches, races, dancing, wrestling, thawed, the heap may be covered. Hauling manure In de and maidens were married, and those who the roads and fields are easily cut up, when plow-

young peer trees, plums, quinces, and various had no "gay Lothario" to call their own, would

Old Barnaby Googe renders this account into

"Unto some woodstacke do they go, and while they there do stande Eche one draws out a faggot sticke the next that comes to hande, Which if it straight and even be, and have no knots at all, A gentle husband then they thinke, shall surely to them fall. But if it foulle and crooked be, and knotted here and theare, A crabbed, churlish husband then, they earnestly do feare."

So they had many similar festivals in France, which were abrogated by the revolution, but reviv-December is a merry Month, after all. Dreary ed by Buonaparte, he appreciating the influence of

Our Initial Letter, at the head of this article, inunions, weddings, and the delightful contemplation and Skill. Welcome, December, storm and bluster provided by Him who never fails to pour into the spread this bountiful board. With our thanks first to the Giver of the Sunshine and the Rain, and This has been so in all time, and it is curious to next to the willing and efficient partners of our

As we have intimated above, the engagements

MANURE HEAPS.—As, in our climate, planting and their expressions of gratitude were mingled in it will not be injured by the sun and air, and as soon their games and diversions of every kind. They as the surface of the earth around the heap is dimbing, singing and story-telling. Matches were in the spring, when it is wet and heavy, and when

ing, harrowing, sowing, &c., are all pressing, is a other men. A perusal of these will increase your great drawback upon the spring work. muck heaps in your fields in December, draw the ings pleasantly. manure to them, and as often as the frost will perfrom the decomposing manure, while the muck it-sometimes have been agreeable, and tending to self will undergo valuable changes from the air and promote the interest of those who cultivate the rain, and frost, and make that an important fertili- land.

FARM IMPLEMENTS—should all be put in perfect order, ready for use in the spring; if any need painting, a coat applied now will get hardened cover the ground, a day or two spent by the farmer through the winter, and thus last twice as long as and his hands in collecting the fallen leaves of the when applied just before the implement is wanted forest will be productive of a good store of excelfor use. Every thing of the kind should be placed under cover.

main unsettled through the month of January. If down cattle, horses, and other stock, during the winit cannot be paid, look it over and settle it, so that ter, is not sufficiently practised among us. It not no questions shall arise upon it afterwards. Keep the, by giving them an easy and warm bed, but it a cash book. Every one will find it gratifying at saves, indirectly, much fodder, in consquence of the the end of the year to know what amount of money warmth thus obtained—cattle eating much less he has received, what for, and for what he has paid when they are kept warm and cleanly. it out. It is a very simple matter, and requires farmer, if he will avail himself of it. A calm day or but little time.

in the pastures too late; some persons suffer them large pile of these fallen leaves, and if stowed in a to run until snow covers the ground, without feeding them. Sheep kept in this manner shrink rapidly, and it is difficult to bring them up in flesh
and perhaps be frozen down, in their own filth. The mals in good condition.

POULTRY.—It is unprofitable to winter old hens; ber, when they were worth double what they are Farmer. now, fat them as rapidly as possible, and put them in the pot. When the ground is covered with snow, see that your fowls are provided with plenty of gravel, lime, pounded bones, or oyster shells, and occasionally with scraps, or fresh meat.

that the building is comfortable and convenient; ally look in upon the school himself.

the Farmers' Club will occupy two. What is to be In addition, put your feet in water, half leg deep, as done in the other four? Have you read several hot as you can bear it, adding hot water from time excellent works that relate particularly to your to time for a quarter of an hour, so that the water business? Youatt and Martin on Cattle; and Youatt on the horse, hog and sheep; the American and then put on warm, thick woolen stockings, even Muck Book, and Dana's Muck Manual; the Com- if it be summer, for summer colds are the most danplete Farmer and American Gardener, by Fessen-gerous; and for twenty-four hours eat not an atom den; Johnston's Elements of Agricultural Chemis- of food; but drink as largely as you desire of any

Make knowledge, and enable you to pass the winter even-

So we come to the close of another revolution of mit, mingle them; the muck will absorb the gases The Months, trusting that our suggestions may

COLLECT LEAVES FOR LITTER.

After the harvest is over, and before the snows lent litter, and the expenses amply repaid. A good collection of such materials is not always made in the fall by those who could do it easily. Indeed, Accounts.—Do not suffer any account to re-this prudent foresight for litter with which to bed only ensures a great amount of comfort to your cat-

two spent in this business, with his boys and oxen, SHEEP-should not be allowed to find a living and hav-rack, will enable him to get together a again through the whole winter. It is cheaper, fertilizing material of leaves also adds essentially to and every way better, to keep all our domestic ani- the enriching qualities of the manure heap. Gardeners prize highly a compost made in part of decomposed leaves.

As the leaf harvest is the last harvest of the year, if such were not marketed in August or Septem- let it be attended to when its time comes.—Maine

A BAD COLD.

DR. HALL'S WAY OF TREATING IT.

A bad cold, like measles or mumps or other similar ailments, will run its course of about ten days, Schools.—Every good farmer will take a de- in spite of what may be done for it, unless remedial cided interest in the schools of his town, to see means are employed within forty-eight hours of its that the building is confortable and convenient. Many a useful life will be spared to be increasingly useful, by cutting a cold short off, in the that a competent, good-dispositioned and faithful following safe and simple manner. On the first day teacher is employed, and fairly remunerated; to of taking a cold, there is a very impleasant sensation see that all may attend who desire to, and occasion- of chilliness. The moment you observe this, go to your room and stay there: keep it at such a tem-WINTER EVENINGS.—Attending Lyceum and perature as will entirely prevent this chilly feeling, even if it requires a hundred degrees of Fahrenheit. try and Geology, together with a variety of other not sooner, the cold will be effectually broken, with-books, which record the practice and experience of out any medicine whatever.—Me. Farmer. For the New England Farmer.

IMPROVEMENT IN BARNS.

improvement in the construction of barns.

If a stranger from some remote corner of our tition with doors and windows. land, where these "new-fashioned" barns have not yet made their appearance, should travel through cellar, which has been so excavated that one end of mits. And when told that the cupolas are "ventil-the boards are planed and painted, as they frequent-ators," would, doubtless, open his eyes still wider ly are, gives to the barn a very neat and pretty apthan before, and exclaim—"Ventilators? What pearance. Lengthwise, and through the centre of good does a ventilator do upon a barn?" When the barn, a space sufficiently wide has been left for we consider the manner in which barns were form—a floor, or "drive-way," which can be driven into, or erly built, we shall not so much wonder at the above out of, at either end; and which, if occasion requirements. The beavely uses put to without "match, and warm, and which as the form of the barn a very near and painted, as they frequent to a floor, or "drive-way," which can be driven into, or early built, we shall not so much wonder at the above out of, at either end; and which, if occasion requirements. the jointer, so that in a short time there were cracks the golden corn is gathered in, ample room for a wide and numerous enough to thoroughly ventilate merry "husking." The space beneath the scaffolds the barn, and keep it cool, especially in the winter. upon one side of the floor is occupied by the stalls, the atmosphere of the barn, there was usually space being reserved for a "bay." enough at the top and bottom of the "great barn-doors," and sometimes between them, to throw out of the barn renders the task of unloading and a stray dog without injuring him in the least. The mowing away hay, feeding and tending the cattle, internal part of the barn was likewise arranged in &c., much easier and more convenient than it used the same convenient style. The narrow "barn- to be formerly. Instead of the old-fashioned, doufloor" was laid crosswise of the barn, and generally ble, loose, swinging, flapping doors, which, besides near to one end; a "head-scaffold" covered about being inconvenient, rendered a passage into the one-third of the length of the floor, at the end far-barn absolutely dangerous in windy weather, unless one-third of the length of the state of the length of the state of the length of the le thest from the doors; so that when a respectable they were securely faatened, each door, great and sized load of hay was driven into it, if there was small, is now made single, or in one piece, and any hay upon the scaffolds, the load was tightly moves backwards and forwards so easily upon small pressed on each side and the farthest end, the other iron wheels, that a child could with facility open or being "out-doors." A part of the hay, after being shut them. jerked from the load, had to be pitched several. A barn built in this manner is so snug and warm times over, before it reached its final destination at that some method of ventilating and purifying its the farthest end of the barn.

the necks of the cattle.

ferent in toto,—by digging a cellar to receive it.

But these ill-constructed barns, although too many of them still have an existence, yet, for the pretty white, or fancy-colored cupola peeping up most part, have disappeared, and others of a new through the surrounding trees, contrasting beautiand much improved style have arisen from their fully with their green foliage, or with the dark blue ruins.

task an easier one, a site is chosen where the ground the adjacent country as far as the barn can be seen. is somewhat sloping, but if this is impracticable,

cellar are raised considerably above the level of the land surrounding it. The exeavation for the cellar having been made, it is then walled in upon the two Among the many and recent improvements in ends and the side next to the bank; the side frontfarming matters, none is more conspicuous than the ing upon the yard being left open,-although it is afterwards sometimes closed up by a wooden par-

the country, and especially those parts of it which the barn will—like fashionable modern houses—lie in the vicinity of the large town and cities, he front upon the road. The frame is then shingled would be very likely to conclude that nearly every and boarded, the boards being either "halved" or farmer has an academy or meeting-house upon his "matched," but sometimes they are fitted snugly premises; and when informed that these tasty build-together with the jointer only, the cracks being ings are barns, would, perhaps, show you the full afterwards covered with narrow strips of boards. dimensions of his eyes, and often exhibiting other This last named method of putting on the boards, signs of astonishment, wish to know the use of the although objected to by some, yet, when properly cupolas or steeples which he saw upon their sum-done, makes the barn tight and warm; and when question. The boards were put on without "match-ed, would contain several loads of hay at the same ing" or "halving," and frequently without the use of time, without any pinching; affording also, when And in addition to the above method of purifying or stables for the horses and cattle; the other side

atmosphere is rendered highly necessary, and ac-The stables, "lean-to" or byre, hen-roost, &c., cordingly an aperture has been left in the centre of were jumbled up together somewhere—the last the top of the barn, which is covered by a cupola. named place being frequently in the "lean-to" over In each of the four sides of the cupola, there is an opening, of the shape and size of a small window, The barn-yard was almost invariably in front of into which venetian blinds are fitted and fastened. the barn, rendering a passage to and from the barn The cupola is ornamented, if the taste and means of extremely pleasant, especially in a rainy day. Dig-the farmer acquiesce, with panels, mouldings and ging a barn-cellar was a piece of folly which very carvings in the Arabesque, Gothic, or some other few were guilty of committing in those days, style, the whole being painted and surrounded by a Farmers would as soon have thought of protecting gilded vane, balls and letters, to indicate the differ-their fruit trees from the effects of the sun and air, ent points of compass. The gables, doors and win-by building sheds over them, as of preserving ma-dows of the barn are also frequently adorned with nure from the same causes,—the effects being dif- pediments; and the eyes, or cornices, with wide, handsome mouldings.

A barn built and finished in this style, with its ins. sky, presents to the eyes a pleasing spectacle, and The first thing done nowadays towards the creatis an ornament, not only to the farm upon which it tion of a barn, is to dig a cellar. To render the stands, but also to the whole neighborhood and to

Although there are many modifications to the more digging is necessary, unless the walls of the above poorly described mode of building barns, yet

adopted.

the poor swallows.

barns thus deserted by these sociable little fellows? Planter. Simply for the want of a little aperture, round or square, and three or four inches in diameter, in each gable of the barn, just beneath its apex.

In barns built after the old style, "swallow holes" were always to be seen. In some of these barns I have counted twenty nests at one time, all of them

innocent inhabitants, resounds with such flutterings, seeds, and these can only be obtained by careful twitterings and gushing outbursts of song, that it seems as if every one who enters within its precinets, even if he be a confirmed hypocondriac, must forget all his troubles, and feel his heart drawn up- so dry as to shrivel and nearly bake them. Every wards in praise to Him "to whom alone praise is farmer and gardener should have his seed drawers,

due," for their cheerful melodies. If birds possess, as they certainly did in at least one instance,-I refer to the story which appeared in the Farmer a short time since, under the title, all who read it were, doubtless, greatly interested,as would almost lead one to suppose that they are endowed with the faculty of reason, it seems to me that they are worthy of our particular regard and protection. And, besides the pleasure we receive from their society, they, and especially the swallows, destroy during their short stay with us an innumerable multitude of insects, which is a fact of no little importance in these insectivorous times.

The above description of barns, both of the old and new style, have been given, not with the sup-third class, require neither soil nor water, but develposition that they contain any information for the op in the open air. The latter are denominated intelligent readers of the Farmer, but that the reader, by comparing them together, may the more clearly perceive the great improvements which have been made within a few years, in these necessary concomitants of the farm.

There is, perhaps, no greater proof of the increasing wealth, knowledge and refinement of the farmer than this reformed method of building barns; and the fact that the farmer is thus increasing in knowledge, refinement and wealth, is a pleasing thought ture has endowed them, are so buoyant that they to all who truly feel interested in the happiness are commonly disseminated overvast extents of surand prosperity of this great and glorious republic.

Groton, Oct., 1855. S. L. WHITE.

PAPER.-It is worth more than it costs simply for more ponderous, and consequently are never difeducational purposes. Parents have hardly a right fused in this way; they require to be transported to deprive their families of its advantages in these and planted by hand. The seed of the locust, is times. Children will learn more, as they go to and enveloped in a shelly integument of such exceeding from school, to drive the cows to pasture, or pick enveloped in a shelly integument of such exceeding berries by the way, if their observation is quickered, hardness, that it can only be made to germinate by by what they have their observations are proposed in a shelly integrated in a shell integrated by what they hear their parents read or talk over the application of the most scrupulous care. Some from the agricultural papers; and when they form seeds are found to be capable of resisting the or-

generally, it is considered the most convenient, and habits of reading for themselves, such reading is both is, therefore, the one which is most frequently safe and useful. Reader, if your neighbor has no agricultural paper, persuade him to take one. Even There is one thing I wish to mention, which some, if he is poor, he can better afford to take one than perhaps, may think unworthy of notice, but which to do without it: for if he takes one, his children to me, seems otherwise, and will, doubtless, to will be likely to be better off-to make a good home many others; and this is, that in these new barns for themselves, and it may be for him in old age. no provision is made for the ingress and egress of Not all will have farms; but all will need to know something of the garden and orchard at least; and Around these neat, spruce, well-proportioned we advise no parent, who feels that he may sometime barns, and their decorated gables and cupolas, the be dependent upon his children, to bring them up swift, graceful gyrations of the swallow are seldom without the means of instruction in rural economy. seen, and beneath their sheltering roofs his merry It should be regarded as essential in the education twitterings are never heard. And why are these of any child, male or female. - . Imerican Cotton

SEEDS.

This is the season for the preservation of many of the seed which are to start future crops, and too much care can searcely be exercised in the selection and disposition of them. If we desire early and A barn swarming with a multitude of such happy, perfect crops, we must begin them with the best discrimination and preservation. They should be kept from moist places, and on the other hand not conveniently arranged, and always ready for use.

Seeds constitute the ultimate production of plants. In shape as well as specific qualities they are wide-"Instinct and Affection of Birds," and with which, ly and wonderfully diversified. While some are enveloped in a soft pultaceous substance, which easisuch strong affection and such wonderful instincts ly decays, and allows the germ to expand, others are confined within involucres almost rivalling in their hardness and indistructibility, the most indurated mineral. In others we find the germinating principle protected only by a membranous integument, as in the ease of the common garden pea. The seeds of some plants vegetate only in moist soil; others, of the aquatic sort, only in water; while a aerial, to distinguish them from the terrene and aquatic orders, and are very numerous, but less so than the terrene or earthy kinds. The powers of prolification possessed by some species of vegetables, is truly astonishing. The thistle, for instance, produces an immense number of seeds, and these, owing to the villous or downy coating with which naface, broadcast, by the August winds. The same is true of the seeds of the dandelion, and many other weeds. The seeds of the locust, oak, walnut, EVERY FAMILY SHOULD HAVE AN AGRICULTURAL chestnut, and other similar trees, are larger and

J. S.

ganic action of the stomachs of birds, and are thus conveyed and voided by them, without experiencing any detriment therefrom. Plants indigenous to one section are thus frequently found in places far remote—on promontories and the distant islands men,—Till you shall have some other and an abler of the sea. Water, also, furnishes to many a vehi-correspondent at the islands, I may not neglect to cle of transportation, as well as the feathery coats give you the news of the day. of birds of passage, and the hair of graminivorous and carnivorous animals.

A YOUNG FARMER.

The old adage, "Never too old to learn," has been thrown a century behind the present age, by the following letter, received by the editors of the New $England\ Farmer:$

for the N. E. Farmer, Monthly.

"Yours, New Market, N. H., Jan. 13, 1855."

If we could hope to receive one such letter during the year, we would labor with redoubled energy in the cause of agriculture. Where are the boys and girls of the South, who intend to be happy and name to a treaty of annexation, and death put a stop thrift, enterprise and frugal enjoyment? Where deed about the middle of December, and the same prosperous in the exhibition of a life of industrious are the young men who are to fill the places of our of Kamehameha IV. and in a few days he was into the country by the country ing the country by their labors? Labor, prepara-crowned, with much display of loyalty. The address tion, study, and an acquaintance with the details of of the young King, both to his own people and to practical life, must all be learned properly, before you are worthy to step into their shoes. It requires years of patient observance to fit you for the task. The operation of plowing, alone, will repuire expects annexation at present. No one speaks of it. No doubt many are greatly disappointed that the plan has failed, and the more so on account perience and practice, to enable the plantage to appear to the high bones which have been rejected. in it; and, unfortunately, where to plow, when to plow, and how to plow, are matters not to be learned in our high schools and colleges. So with all other departments of agricultual life. A young man of good education, when he commences agriculture as a calling, finds that he has to commence the study also, and his after life is spent in acquiring what he might have profitably learned under a proper system of agricultural education. If nine-tenths of our sons are to be planters, let them have primary educations to fit them for the pursuit. If planting is to be a lottery of practice—as it has ever been at the South -we might as well desist from our recommendations. But it must not be. We must still strive on, and if there is no proper system of Agricultural education provided for the people, we must make our journals travelling schoolmasters of the great science which feeds the hungry and clothes the naked.

For the New England Farmer.

A THRIFTY PIG.

town, purchased a pig on the 7th of July last, whose ful and law-abiding citizens, I rejoice to see among live weight was 173 lbs. He slaughtered it on the us; especially should I rejoice to see an increasing 16th of October. It weighed when dressed 342 number of agriculturists, practical farmers, who lbs. Now suppose we deduct 2-5 of the live weight should fence their lands, build barns, corn-houses, when bought, (2-5 I believe is the usual amount al- raise wheat, oats, corn, beans, barley, garden vegeday.

Fremont, N. H., Oet. 20, 1855.

For the New England Farmer

HAWAIIAN AGRICULTURE.

MAKAWAO MAUI, HAWAHAN ISLANDS, MARCH 20, 1855.

EDITORS OF NEW ENGLAND FARMER: -- Gentle-

You see, gentlemen, that the Sandwich Islands are not yet annexed to the United States, and I may add there is no likelihood that they will soon be annexed. I mention this as an item of news, which I think you may rely upon, and which I hope may exclude from nearly all the papers which from the United States reach the islands, items respecting the islands to this amount, that they are about to be annexed—negotiations all finished—the king ready, merely waiting the return of the Prince "GENT.:—I am six years old; I send you \$1.00 Liholiho from the windward in order to sign the treaty of annexation. I took the liberty of doubting the correctness of these statements when I first saw them; who made them is not exactly known, and there is now no need of inquiring. Whatever the late king, Kamehameha III., might have said encouragingly on the subject, he did not affix his to his design of so doing, if he had such design. He perience and practice, to enable the planter to excel of the high hopes which have been raised by reading what they regarded as official statements on the subject of annexation. Do you inquire who would be benefited by such a scheme? No one would really be so, in my opinion, though a small class, I admit, would make money faster somewhat than they now do. The sugar planters compose this class. The duties which they now pay at California on their sugar and syrup, causes them to complain, and they are earnest advocates for annexation. Ten foreigners, however, would be injured, in my opinion, by the measure, where one would be benefited. I learn lately that about the time of the king's death, there were several gentlemen at Honolulu from California, who came down, it is thought, expecting that annexation was about to take place. The death of the king put an end to their expecta-tions of this sort, and they have returned to San Francisco.

I claim, gentlemen, to be a cordial friend of my own native country, and none the less so because I am a friend of this my adopted one. I wish well to foreigners on these shores. I pray for their highest prosperity. As many of them as desire to set-Mr. Editor:—Mr. George H. Floyd, of this the on the islands, and are willing to become peacelowed to waste in dressing.) it would leave 103 lbs. tables; feed stock, cattle, sheep, swine, &c., and fill which would have been dead weight when bought. their gardens with fruit trees of all kinds. They Now for the gain, which is 239 lbs., or 23 lbs. per might not become rich in a year; they might not in five or in ten, but they would obtain a comfortalble living, and their gains would be sure though

slow. Why should a man, any man, become rich in a term it, and turn their speculations to a good acday? This is not God's plan of bestowing riches, count, the spirit still survives. When will men learn judging from the analogy of His works. Look at that the history of Jonah's gourd is one full of inthe oak, the product of His hand. In favorable cir-struction. It came up in a night, was of marvellous cumstances it has become a lofty, a majestic tree, rapid growth, spreading its shade over the head of with deeply-buried roots and wide-spreading branch- the fainting prophet, and making him very glad of es, which has withstood the storms and blasts of a its cooling influence; just as the wealth of some hundred winters. It is a model of strength and speculator flows in like a mighty stream, carrying beauty. But who does not know that this majestic all before it, and fairly turning the head of the tree of the forest gained this proud eminence by a fortunate man. But look again at the gourd. "It slow, almost imperceptible growth? So in the in- perished in a night, "leaving the poor prophet more tellectual world. The giant Newton, whose discov- unhappy than he was before the creation of the eries astonished the world, and whose name makes shade which he now mourns. If it is not thus with one proud of belonging to the same species, had innumerable speculators, then I am greatly mistakonce the mind of an infant, unoccupied and imbecile. en. Let men of all classes be content with the He became what he was according to his own dec-slow but more sure gains of industry, rather than laration, by a course of indomitable industry. So eager for the quick returns of speculation, never of others of like pursuits and of towering intellect. safe, oftentimes criminal, and commonly injurious To industry and application is the world indebted, in their influence on communities. I will only add not to something called genius, for her good and that the amount of wheat sown in this neighborrenowned and useful men and women. And why hood is about the same as last year, say 1200 acres. in seeking wealth should not men be content to The wheat is now promising. grow rich slowly? Why not be satisfied with moderate gains? Such gains are incomparably more safe to every one, more satisfactory to all reasonable men. Such were the gains of most men of my early acquaintance in New England-farmers and mechanics of country towns. I do not say that many of these would not have been glad of quicker and ducting trade.

they could have secured at home. Why should in relation to small potatoes as seed potatoes. they come thousands of miles, and deny themselves I am a mechanic, and cultivate only a small gar-of the comforts of civilized society, merely to make den; it is, therefore, for my interest to produce as a few hundred dollars per year? I do not say that much as I can on a small space; my garden conhave avoided this catastrophe—would have avoided of a sink-drain. the blow which has crippled them perhaps for life. East Bridgewater, Oct. 22.

And is not this as God would have it? But as some are more successful, fortunate they

Very truly your friend and fellow-laborer,

J. S. Green.

For the New England Farmer.

POTATOES FOR PLANTING.

Mr. Editor:—I am an advocate for small potalarger returns, of more rapid gains, though most of toes for planting purposes. Not but that large ones them appeared contented and happy in making the are not as good, and perhaps better; yet on the ends of the year, as they used to express themselves, whole, I am in favor of small potatoes. The argufairly meet; especially, could they lay by a small ment, that small potatoes will produce small potasum at the end of the year. Even the merchants toes is not supported by facts. It appears to me of those days were content with a small per centage that the application which writers on the other side on their goods. Small gains with much business of the question make of the axiom, "Like produces was regarded as the most desirable method of con-like," is sophistical, that it does not touch the question under consideration. Potatoes will produce potatoes, But these notions are regarded among us at the corn, corn, &c.; but it does not follow that a small islands as antiquated, far behind this age of pro-potato will produce smoll potatoes. I am rather gress. Not only do most, not to say all, who from inclined to believe that the advocates for large poforeign lands come hither to do business, mean to tatoes for seed, are rather apt to try small culture become rich, but they design to become so at once, as well as small potatoes, when they make experi-Slow gains will not answer their turn; such gains ments that way. Permit me to give my experience

many of these men use this precise language, sisted of ten square rods in 1853-4, and this year though some have employed even stronger lan-there were two rods more added. Of this, I have guage, but the language of their conduct reads planted some two-thirds to potatoes. In 1853, I thus, if I have skill in reading it. Hence the few planted with a mixture of large and small potatoes, who engage in agricultural pursuits, or in other and in October dug nearly six bushels, large and manual labor departments. The gains are too small, besides what my family used through the slow. The raising of wheat and corn, of potatoes, summer; from these I took all the small ones for beans, &c., will do well enough for plodders, but we the next year's planting; there were none larger must adopt other plans, engage in more lucrative than a good-sized plum, and many were smaller. In employments. Hence the few farmers, the lean 1854 I planted these potatoes, and dug in the fall markets, the importation of flour, bread, meat, &c. eight bushels of good-sized potatoes, besides the Hence the multiplication of merchants or rather small and what were used in my family before digstore-keepers; the number of candidates for governinging time. This year I planted the small of last ment employments, the increase of speculators—year's raising, and having finished digging, I find, anything to make money, to secure quick returns, besides what were used before digging, that I have This is the great obstacle to Hawaiian prosperity. 115 bushels in all, which makes about 250 bushels. This keeps us poor more than anything else. This per acre. I think, considering the effects of the was the cause, as I informed you at the time of the drought in this region, this gives a good result in heavy failures of 1851. Had the men who then favor of small potatoes. The manure which I used failed been content with small gains they would was ashes mixed with night-soil and the collection Yours, &c.

RAIN FROM THE ROOFS.

for washing, for cattle, and for watering plants, it is tion, and when applied in large quantities, as a stimnot to be had. There is a sufficient quantity falls, lant of vegetable life, acts from year to year, and however, unless in seasons of extreme drought, to even from generation to generation, without any obgive every farmer a full supply, if he had the proper viously apparent diminution of energy or effect.reservoirs for holding it. These may be made much more readily and cheaply, than most people believe they can be. On any soil but a very sandy one, the earth may be removed, and the sides and bottom ecmented without brick or stone, and the top covered Royal Agricultural Society, observes, in relation to with ehestnut plank, and any amount of rain water with electruit plank, and any amount of ram water is exceedingly beneficial in moderate quantities, but preserved. If slanted outward half an inch to one prejudicial in large ones." He thought horses inch to each foot in height, and well cemented, a eis- might take with advantage from an ounce and a tern will last for many years. Such eisterns would half to two ounces of salt daily; but that an excess be a matter of eeonomy to many of our farmers.

We find a paragraph in the papers which has suggested these remarks, stating that "every inch of judicious use of salt, than without it. He eited rain that falls on a roof yields two barrels to every Arthur Young, and Sir John Sinclair, to show that space ten feet square; and seventy-two barrels are salt had a tendency to prevent the rot in sheep. yielded by the annual rain in this climate on a sim- Prof. S. added as his own opinion, that salt, by its ilar surface. A barn thirty by forty feet yields annually eight hundred and sixty-four barrels; this is being derived from the food. The substance, he enough for more than two barrels a day for every said, was also well known as a vermifuge, destroyday in the year. Many of our landlords have, how- ing many kinds of worms in the intestines of aniever, at least five times that amount of roofing on mals, and conferring a healthy tone of action which their dwellings and other buildings, yielding anprevented their re-occurrence. Several members nually more than four thousand barrels of rain wa- Fisher Hobbs, stated that their experience led them ter: or about twelve barrels, or about one hundred to agree with Prof. Simonds in regard to the value and fifty ordinary pailsfull daily.

conclusively to demonstrate the very high value of this country, and after several years' trial, is pre-charcoal as a manure for wheat. We seareely, in-ferred to the former mode of giving salt periodicaldeed, take up an agricultural publication in which ly. When animals are only allowed to have salt its efficiency, as a stimulant, is not rendered apparament by the most convincing and undeniable facts, they eat too much at once, but by having it con-A late writer in the Lewisburg Chronicle, in some remarks upon this subject, says:—"A few days since, their systems require, and it assists the digestion, in company with Mr. Jacob Dorr, of East Buffalo, I and promotes health and thrift. visited a spot on the land of my brother, John Dorr, on which the excellent effects of chargoal were plainly visible. Before reaching the spot, I noticed the beautiful bright green of the wheat in the lower nication, that some fifty or sixty years ago, a black-comparison with copperas (sulphate of iron.) Lime smith shop occupied this spot and near it there was a coal pit. This accounts for the presence of the coal, but not for the continued and undiminished fertile transfer to the continued and undiminished fertile transfer t tility and suprising productiveness of the soil enriched by it.

doubt, that charcoal is, in its nature, nearly indes-In our climate, when rain water is most needed, tructible. It remains in the soil for generations Fountain and Journal.

SALT FOR ANIMALS.

Professor Simonds, Veterinary Inspector to the the action of salt on the animal economy, that "it of it would render animals weak, debilitated and unfit for exertion. Similar facts were applieable also to oxen, which accumulate flesh faster by the of salt for animals. In reference to the mode of giving it, the practice of placing large lumps of rock salt in fields or yards, where it was accessible CHARCOAL FOR WHEAT.

There are many instances on record, going most
This practice is now adopted by many farmers in

SANATORY SUBSTANCES.

As the warm weather is now at hand, it will no part of the field, even at this season—the dead of doubt be very useful information to many persons winter—and remarked to Mr. Dorr, that that must to be told what are the best substances for removbe the spot. He stated that he had not visited it for ing offensive odors from sinks, &c. Copperas, or a number of years, but was under the impression sulphate of iron, is a very excellent substance for that it was higher up the field. When we arrived slushing drains and sinks. By dissolving half a at the spot of beautiful green wheat, we found, inpound of it in a pail of hot water, and throwing it
deed, that it was the locality of the charcoal. In
some places the soil was black with the coal, and the
wheat plants were very large and healthy. Their in all our cities, it would greatly tend to health and appearance is very fine, and they can be seen from pleasure for the inhabitants of each to do this. The all parts of the field, so superior are they to those chloride of lime, or the chloride of zine, will answer surrounding them." It appears from the community as well, but these are expensive substances in

But there is another substance which is far superior to either copperas, the chloride of lime, or zinc, But it is well known to many of your readers, no as a deodorizer, both as it respects its qualities and economy; we mean charcoal powder-made of ground wood charcoal. Charcoal powder possesses the quality of absorbing ammoniacal, sulphuretted hydrogen and carbonic acid gases in superior de-gree to any other substance. Placed in the vicinity, or spread among decaying animal or vegetable matters, it absorbs all the offensive and hurtful gases, and keeps the air sweet and wholesome.

We really hope that charcoal powder will soon come into extensive use as a deodorizer and disinfectant. It appears to us that it can be ground in mills in the timber regions where wood is cheap, transported to our cities, and sold at a very moderate price. We are convinced that a plentiful use of fresh ground wood charcoal for sinks, damp floors and the drains of cellars, would greatly tend to prevent disease in many places, by the absorption of miasma.—Scientific American.

For the New England Farmer.

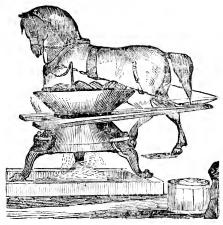
CONCORD FARMERS' CLUB.

This Institution held its annual meeting on Thursday evening, Nov. 1, at the house of Dr. J. paratus, for using with one or two horses. Its Reynolds. Simon Brown was elected President, weight is 300 to 800 lbs., according to its size, and retary; W. T. Farrar, Treasurer. There was a full it can be easily adjusted and put in running order. attendance, and the members came together with The patentee warrants it to grind feed from oats, the right spirit, determined to give a new impulse corn on the ear, &c., and to make grits, or fine homto this Institution, which has already done so much inv from shelled corn, with a degree of ease and to promote agriculture and horticulture in this town. Several committees were appointed, and among others, a committee to correspond with Farmers' Clubs in the neighboring towns, with a Kentucky, and other stock-raising States, where view to an interchange of visits, by means of delemore than six thousand of them are in use, it must gates, during the ensuing winter. It was believed have been found a valuable adjunct to the farmer in by the members that such a reciprocation of visits will add interest to our own meetings, and to those of other Clubs. The subject of a mass meeting of claims for it the merit of "a peculiar, improved arfarmers and horticulturists, to be held in this town, rangement, by which it first breaks, then crushes hope such a meeting will be held. Such meetings, lessening the strain upon both mill and team, the if properly conducted, are not only very interesting, chief work of crushing being thrown upon the cenbut very useful.

chanies, professional men, meet, and become ac-quainted with each other, interchange views and patentee's agents in this city. concert measures to promote their respective interests, and why should not those who cultivate the earth? There is no occupation which such measures will more directly benefit than that of agrieulture.

respective courses. Agriculture is taking a prominent place in the literature and science of the countries. Two objections are commonly made to keeping share of attention in our lyceums where such sub-the other that they are very liable to be worried and jeets are discussed. Yours truly, J. R. destroyed by dogs. With regard to the first objecjeets are discussed.

SCOTT'S LITTLE GIANT CORN AND COB MILL.



This is the name of a very efficient grinding ap-

Judging from the popularity of this mill in Ohio, sometime during the winter, was discussed. We and crumbles the cob at the centre of the mill, thus Men of all other occupations, merchants, me- tral parts by a judicious application of the leverage

SHEEP HUSBANDRY IN MASSACHU-SETTS.

We hope this proposition will be received with The great diminution of sheep husbandry in this favor by the farmers of Middlesex. The meeting State is very much to be deplored: it is a striking held in this town two years ago was eminently suc-indication of deterioration and decay in our agriculcessful. We should be glad to see such a meeting ture, unless we find that something more profitable held in every county in the State during the com-ing winter. They would do more to promote the vain for anything of the kind; every sheep, there-cause of agriculture, and to place farmers in the fore, lost from the census of 1850, as compared with position they ought to occupy, than any other measthat of 1840, is a dead loss to the agricultural ure that could be adopted. In this connection, wealth of the State. Sheep are the most active and permit me to remark, that I hope the farmers in all profitable agents in the work of amelioration and our country towns will interest themselves in the farm improvement. Valuable as fertilizers when organization of lyceums, and secure two or three folded, they likewise improve and renovate pasture good lecturers on agricultural subjects, during their lands, brought as ours have been by neglect to a

try, and should be recognized and receive its due sheep, one is that they are difficult of restraint, and

tion, it may be said that there are breeds of sheep foaling; and they again labor within a few weeks afso docile and quiet, that they only require the usual ter that time, and with kind and gentle treatment, fences to keep them within bounds. The second and good keeping, they and their colts are better objection is a much more serious one, because we have not the remedy in our own hands, unless we than they would be, if they were entirely idle. keep constantly on the watch against trespassers. Look at animals through the wide creation, and see Our agricultural towns, however, can aid the farmer how few among them are idle mothers! Exercise very much in this matter. There is no more rea- is conducive to health and strength; and every anson why they should not prohibit dogs from running imal, four-legged, as well as two-legged, ought to injury, with penalties attached to the infraction of take, at least, moderate exercise, as it is conducive at large, as cattle or any other animals liable to do any law passed for preventing this measure, as to to their comfort." insure a proper obedience to it. In many parts of Rhode Island, where sheep husbandry has increased count of an experiment, made some years since, by very much of late, the farmers have united together very much of late, the farmers have united together to keep off dogs, allowing no person to go over their land if accompanied by one. Many suffer their dogs to roam about, or to be their companions in somewhat more debilitating, in a pecuniary sense, the field and the road, from inconsiderateness, and than his conceptions of strict economy induced him when once they come to know the injury caused by them, they are quite ready to join in preventing it. Mr. Fay's Address.

WORKING COWS.

should not the cow be subjected to the yoke, as well continued to give a good mess of milk, and he was as the ox?" the only reply, probably, we should unable to discover that their labor occasioned any be able to make, would be the very insufficient one, skrimpage, except on a couple of days when a young that popular custom is averse to, and would not colt, which was under process of "breaking" was sanction it. Prejudice often goes a great way, in worked before them, and occasioned them unusual such matters, even with the best informed. In fatigue. In the summer he hauled his hay with this country the cow has rarely been subjected to them, and was not aware that they failed in any relabor of any kind; yet in other countries the case spect to do as well as oxen. During the winter, is different. In Spain and Great Britain, she is which was remarkable for its severity, and the depth made to labor, both on the farm and on the road, of the frequent snows, they were used for breaking and is said to be not only quicker but more tracta- roads, and not unfrequently got so deeply into the ble than the ox. One of our writers, who appears drifts, as to render it necessary to relieve them by to have investigated this subject with considerable shovelling. They were not, however, in the slightindustry, remarks :-- "We have no doubt that many est degree injured, and calved the following April. farmers who do not want cattle for travelling much on the road, will find an advantage in working cows. yoke, making a team of four cows. With these he As this custom is not common among us, it would did all his plowing, breaking green-sward, during be at once opposed by many as inconsistent, and thirteen or fourteen days, besides plowing his corn unreasonable. In this respect it would be like and potato lands. many other improvements. There was a time when many farmers thought the only method to dispose fall they harvested his crops, and were employed of a large quantity of apples, was to work hard in very constantly till a late period in hauling wood, the fall and fill up their cellars with cider, and then rocks, &c. Their food was straw, turnips and hav. work hard in the winter to drink it up. They would It is his opinion that cows, properly subjected to have laughed at the thought of wintering hogs in a the yoke, are quicker and smarter than oxen, and thriving condition, or fattening them mostly on ap-will perform more labor, according to their size, if ples; but experience has taught them that apples kept in good condition. are valuable for making pork, and that much ciderdrinking is attended with trouble and expense, and steers, as all except one were perfectly mild and is injurious to health; and had we time, we would kind after the third day. In this case the keeping show that many other improvements, when first in- was no doubt good, as it should always be when

Another, adopting the same views, says:—"Why siderable labor till within a month or two of their oxen would not be attended with so much injury,

In this connection we present the following acto regard advisable. He commenced working his cows in 1836, in the spring, using a pair of cows that had calved the previous January. They were four years old and of a large size. He did all his plowing and other spring work with them, work-Were the question submitted to us - "Why ing them almost every day. During this time they

The subsequent autumn, he worked an additional

His hay was again housed by them, and in the

They are also less difficult to break, he says, than troduced, were regarded as changes for the worse." these useful animals are subjected to the yoke.

When cows are made to labor, care and kindness cannot cows work as well as mares that are with are of the greatest importance. On this subject, foal, or have to nourish offspring? Mares, without a writer very truly remarks :-"Every animal should injury to themselves or their young, perform con-be treated with kindness, but harsh treatment of

as it would with cows. One of these cows is partly, and if we recollect right, mostly of the Durham he knew of two cows being worked as regularly as for I have not the paper at hand,) will not soften; oxen, and worked hard too, from the time they let me give him a bit of my own experience. were calves, till they were six or seven years old, when well kept."

the motions of the driver.

to some as of little value, but there certainly can be looked as if they had got hold of something that no harm in a consideration of the subject.

For the New England Farmer.

CLIFF SWALLOWS.

work at their leisure, taking their own time to do soak till next spring and then try it on some of their work. After the first nest of eggs were your crops, and let us know the result of your exhatched, and the young had nearly attained their periments. growth, we found the nest and young birds all on the ground, and the old birds missing. Wishing to get a settlement of these birds around my buildand found a second-hand robins' nest, drove up make a rare combination of fertilizing materials, some nails, put up the nest, put in the young birds, and a hogshead or vat near the out-house of every and the old ones came and took care of them, and house-keeper filled as directed, will become useful put on another story, and trained their young until in more ways than one.—Ed. Maine Farmer. they were able to fly. The second nest fell down just as the young ones were able to fly.

few suggestions to those who like to have those swallows about their premises; and I would say that I have never known them to build on new buildings; sulphuric acid can be bought at 3 cents per pound, and, also, when they come and look about and stick on a little mud and commence operations, that if bones. The bones may be thus prepared:—Mix you put up anything to help them, they are sure to bones and brush together, then set fire to the brush, leave for the season. Now to try to accommodate which, if the quantity of brush be not too large, them, I have lately put up some old dirty strips of board in the places where for several years they thus render them friable, so as to be easily broken. have made unsuccessful attempts to locate themselves, and if any happen to see this and wish to get with sulphuric acid, thus:-Stand a hogshead on periment. B. F. CUTTER.

Pelham, N. H., Oct., 1855.

CRUMBLING BONES IN ASHES.

Having seen in the Farmer a short time since a short-horned breed; she is an excellent worker and communication from friend E. G. B., of Yarmouth, a good mileh cow: Another farmer informs us that concerning his "bones," in which he complains that his bones, though packed away last April (I believe,

A year ago last March, I saw a statement in the and they were of a large size and very handsome. Dollar Newspaper, that bones treated as friend B. He understood that they gave a good mess of milk has treated his, would decompose and make good manure. Accordingly I took a barrel and put in ashes three or four inches deep, then a layer of Persons having had opportunities of observing bones, and covered them with ashes. It was then the action of these animals, when subjected to labor wet with urine from day to day, till I supposed the on the road, have been surprised by the singular ashes was completely saturated with the liquid. docility and mildness they evinced, and the alacrity Then another layer of bones was added, and coverwith which they obeyed the commands, and even process was repeated till the barrel was full, and ed as before, and wet with the same liquid. This then left undisturbed till the last of May, when it On the small farms in Massachusetts, and espe- was dug out to be used, and the bones were found cially near the cities, where the making of milk is to be soft enough to be cut with a shovel, except a the principal object, it is important to dispense with few jaw-bones and teeth, which seemed to be proof oxen. A horse or two we must have to go to marRuta Bagas growing on the mixture. It was put ket, meeting or mill, and with a horse and two or in the drills and covered about four inches; I supfour cows, all the work of such farms may be con-posed it might be rather strong, and buried it ac-veniently performed. These suggestions may seem cordingly. Within a week or two those Bagas agreed with them.

If E. G. B. will give his bones time, I think there will be no trouble about there becoming soft enough to be picked to pieces with the fingers, as the most of mine were. But mine were in pickle nearly 13 months, instead of 3 or 4, as friend B. says his may been. Whether soap suds would be more effectual to birds is interesting to you, I propose to add my mite in relation to swallows. Late in June, last summer, six or eight of the cliff swallows came to my open shed, where I keep my wagon, eart, &c., and built a nest in a very short time, say three or four days. In as short time as possible the old bird was sitting. Soon, another pair eame and went to work at their leisure, taking their own time to do soak till next spring and then try it on some of have been. Whether soap suds would be more ef-

North Yarmouth, Aug. 6, 1855.

Note.—We like the suggestions contained in the ings, I set my wits to work to save them. I went above communication. The course proposed will

We copy the above from the Maine Farmer, and Now the reason why I write this, is to make a highly approve of the plan recommended for such localities as can furnish unleached wood ashes, and where sulpheric acid eannot be procured—but when or less, and not ashes, should be used to decompose will carbonize the bones on their surfaces alone, and When broken they are then ready for treatment a colony of swallows, I wish they would try my exend, take out the upper head, trim off the edge of this head and bore a few augur-holes, of a half-inch or more in diameter, through it, place a few stones

or bricks on the bottom head, and on these place the upper head prepared as above—then throw in keeps them trimmed in, and annually removes 100 gallons of water, and 5 to 10 gallons of sul-about one-half the wood that is formed. He uses a phuric acid, stirring the water briskly to prevent the compost, and omits nothing to bring them to peracid falling to the bottom; then throw in the burnt fection, and thus keeps the trees in full vigor. Will bones, stirring the mass each day for a week, after other farmers take a hint and follow so good an which the dissolved portion of the bones may be example? drawn from the bottom and thrown over any compost, or applied in the fluid form dilute, direct to the land. Masses of earth or chargoal dust may be witted with it, and then scattered like ashes or other finely divided manure. More bones and acid may from time to time be added to the hogshead. taking care always to have more bones than the acid will dissolve. One bushel of bones, so prepared, will be more effective on the crops of the first five years, than ten bushels treated with ashes.-Working Farmer.

HOW TO GROW GOOD FRUIT.

There is still large quantities of fruit cultivated that is not worth taking to market. Hundreds of bushels of apples have been made into execrable pies in Boston this fall, merely because they could be purchased at a trifle less cost than those of a better quality. But it is a mistaken economy, as a mild, good-flavored apple would require less sugar and then make a better pie. Many persons have a pride in, and attach too much consequence to an apple which sprang up spontaneously on their own farm, or, perhaps, which they have cultivated with some care, and then numbers of seedlings occupy the places that should be improved by finer varieties, and which, if cultivated, would afford a great-

The New York Tribune brings to notice the following:

Just see how easy it is to grow better fruit. In Adams county, Ohio, John Loughry has a peach orehard of eleven acres that has yielded him this year five thousand dollars, while peaches have been selling in Cincinnati at twenty-five cents a bushel. It is easy to see that his orchard would not have method of agricultural duties: produced that sum at that price. No, it did not. And this is how he did it:-

one hundred and eighty-five days' work in picking that he performs the same operation at the same off the excess of fruit. Probably more than three-fourths of the fruit then on the trees was carefully removed. Each limb was taken by hand, and where within a proceed of cichten link hand, and where within a proceed of cichten link hand, and where within a proceed of cichten link hand, and where within a proceed of cichten link hand. perhaps, twenty-five peaches, but five of the fairest perhaps, twenty-five peaches, but five of the fairest ones would be left to ripen. By earefully removing assured they will not complain until they feel hunger and if allowed to hunger, they will not only lose vigor of the trees into them, the peaches have ripened early, and are remarkable for size and excellence of enality. lence of quality."

profits would have been a crop of peaches hardly dispense them in a fixed routine. I had a striking it to feed the pigs. fit to feed the pigs.

In the management of his trees, Mr. Loughry

For the New England Farmer.

TETE-A-TETE OF THE MILKMAIDS.

BY "ANGELINA ADIGAIL."

Becky, see the sunset glowing, O'er the fields a radiance throwing, Golden, pure and steady; O, its beams illume my spirit. (That's our cow-bell-don't you hear it? Get the milk-pans ready!)

Yes, dear Sally, look and listen! Now the dew begins to glisten-Hark! the night-bird's sonnet! What a bahny breeze is blowing! (Head the brindle cow-she's going-Run-I'll hold your bonnet!)

Becky, does the twilight hour, By its bland and soothing power, With sweet musings fill you? Peace hangs round us like a mantle-(Soh now, Sukey, come, be gentle! Stop that kicking, will you?)

With music earth is overflowing-There, the hungry calves are lowing ! How those tins do rattle ! But I fain would wander, Sally, To some green and quiet valley, Minus horned cattle.

Becky, life's a fleeting hour; Joy brings grief-e'en cream will sour-Yet 'tis vain complaining; Mortals now get milk and honey Only by hard work and money! (Set the pans for straining!)

REGULARITY IN FEEDING CATTLE.

Stephens, in his "Book of the Farm," gives the following illustration of the necessity of regularity and

In thus minutely detailing the duties of the cat-He got two dollars a bushel more readily than his tle-man, my object has been to show you rather how neighbor got twenty-five cents for the same variety the turnips and fodder should be distributed relatively than absolutely; but whatever hour and min-"When the peaches had arrived at the size of a ute the cattle-man finds, from experience, he can hickory nut, he employed a large force and put on devote to each portion of his work, you should see within a space of eighteen inches there would be, until they arrive. Complaints from his stock should fully given. Wherever you hear lowings from eat-There, this was labor—seven months' labor of tle, you may safely conclude that matters are conone man in a small peach orchard! What of it? ducted there in an irregular manner. The cattle-His net profits were between three and four thou- man's rule is a simple one, and easily remembered, sand dollars. If he had neglected his trees his -Give food and fodder to cattle at fixed times, and take charge of cattle, and was quite able and wil- the love of the Rose of Sharon and the garden of ling to undertake the task. He got his own way at God .- Imerican Messenger. first, as I had observed many laboring men display great ingenuity in arranging their work. Lowings were soon heard from the stock in all quarters, both in and out of doors, which intimated the want of regularity in the cattle-man; whilst the poor erea- CAN WE PROTECT OUR ORCHARDS FROM HIS RAVAture himself was constantly in a state of bustle and uneasiness. To put an end to this disorderly state he not only soon satisfied the wants of every animal lation, "he." committed to his charge, but had abundant leisure to lend a hand to anything that required his temporary moths, and putting them under a tumbler, watched assistance. His old heart overflowed with gratitude their movements. True to their instincts, they imwhen he found the way of making all his creatures mediately commenced toiling up the sides of the they would have done whatever he liked.

TREE PLANTING.

liott Cressen, a legacy of \$5,000 to be employed in hinder feet raised from the sides, than down the

plant trees.

the street-who will distribute honey-suckles, and Mr. Bowler. Virginia creepers and prairie roses, that they may be turned into civilized habitations?

ticulture and tree-planting, that we could wish were the circle. Next take four strips of board, to be more general. There is too much danger of the used as cleats to surround the wooden platform on gross and sensual and selfish in our national charthe upper side, at about half an inch from its edge, acter; and while our reliance must be on religious Before securing these cleats, groove them away on and educational influences to correct this tendency, their edges, to the depth of about three-fourths of we believe that good and only good would come of an inch, with a width of about three-sixteenths of the love for trees and flowers, and the cultivation of an inch. Secure these cleats to the platform (the

to cattle. An old staid laborer was appointed to both. It may be blessed in leading the heart up to

For the New England Farmer.

THE CANKER WORM AGAIN.

Mr. Editor :—Permit me to correct a grammatof things. I apportioned his entire day's work by ical error in my last communication, in which I deshis own watch; and on implicitly following the plan ignated the female moth by the unfeminine appel-

Last fall my father caught several of the female happy, and his kindness to them was so undeviating, tumbler. Some could advance but a few lines; one or two, after several ineffectual attempts, at length reach the inverted bottom, when they stopped, and felt about, seemingly in trouble. In a few minutes they mustered courage and endeavored to walk the glas-We notice among the munificent bequests of El-sy plain, but in every attempt no sooner were their planting trees in Philadelphia. There is something poor insects came. Here, then, was a fact estabtouching in this gift. It is fragrant of good taste lished, that the female moth could not carry its and friendly feeling. It seems to express gratitude destructive load across a horizontal surface of glass. for the comforting shade of some old tree under That they are provided with the foot-flap or suction which the weary philanthropist had meditated his apparatus attached to the feet of most insects, to schemes of usefulness; and of considerate interest enable them, by an atmospheric pressure, to more for the health and pleasure of future generations, than counterbalance the falling down power of who are to people the city of his birth. And when gravity, is evident from the fact that they could asmonuments of marble and of bronze shall crumble, cend the sides of the tumbler. Now for a practical the broad arms of the elm and the oak shall stand application of this fact, which points to a horizontal out against the sky as the befitting memento of the plane of glass as an impassable barrier to the proliberality and the last of the tree-loving Philadelphi-gress of the moth. The lamented Mr. Cole, in his excellent Fruit Book, states that Mr. F. Dana, of Every one should plant trees. No object is more Roxbury, in the Ploughman, recommends that the beautiful than a spreading clm, or a lively ever-tree be surrounded by a collar of wood made slipgreen; none more productive than the apple or the pery by glass on the under side. Of the mechaniluscious pear. Half the labor bestowed on a single cal application of the glass Mr. Cole gives us no incrop of potatoes, would originate an orehard, the formation. Mr. William Bowler, of this town, conproduct of which in a few years would be equal in jecturing that glass would be impassable to the value annually, to the potato crop, yet with but little moth, during the last fall and winter protected his labor beyond the harvesting. A fortnight's toil in trees accordingly, and the result was, as might be the spring or autumn, in transplanting choice fruit-conjectured from the tumbler experiments, though trees to the roadside, or tastefully grouping them his neighbors were sorely troubled by the ravages on the lawn, will ultimately add more to the value of the canker worm, his own trees were comparaof the place than twice the time employed in build-tively unharmed, and doubtless would have been ing or fencing. For their own comfort, for the wholly so, if the plan had occurred to him earlier, sake of their descendants, for the taste and improve- before the moth was on the move. For Mr. Bowlment of the country, plant trees-let everybody er's method of applying the glass, I would refer to that gentleman himself, as, from the use he intends That bold, naked church, tasteless, treeless! Who to make of his plan, it is not proper that I should will have compassion on the worshippers, and sur-make it public. However, I would say, that though round it with trees? That district school-house, he has courteously given us free permission to avail bare and unsightly; who will interest the boys in ourselves of his ingenuity, my father has designed, planting and protecting shrubs and trees that will and is now protecting our trees by the following make it an attractive and beautiful spot? Those method, believing it to be as cheap, as efficacious, verdureless villages, with their houses thrust upon and considerably easier of application than that of For large trees, take two pieces of board, oblong

squares, cut a semicircle out of each of them, so There is a softening, humanizing influence in hor-that when united the two may embrace the tree in

two transverse ones will serve to connect the two be readily seen that the material used is of low cost, of wood, in either ease filling up between the plat-the enclosing circle can be easily enlarged, so that form and the tree with a stuffing of tow, oakum, the same collar may be used around the same tree or some substance which will prevent the moth for many years. from passing between it and the tree. Some who have tried sea-weed as stuffing, have abandoned it, construction of Mr. Dana's collar, which certainly believing from its tendency to hold moisture, or involves the same idea, I would state that those from other reasons it furnished a tempting place proposed serve as two-fold barriers. The insect ap-for the operations of the borer. Having fastened pears to be completely deceived by the glass, evithe cleat as before directed, within half an inch of dently confiding much in the testimony of its own the edge, surround the platform by slips of glass, eyes, like many faithless bipeds, it plumps its head from two and a half to three inches in width, sliding continually against the glass above, but because it the slips under the grooves in the cleats; the glass perceives nothing, believes nothing. This want of will thus rest on the platform completely surround-faith in the presence of any obstacle to their proing it, and projecting beyond it from one to two gress, may, in part, account for so few venturing on inches, as may be. The space that will remain be-the glass, for I am told that whole ranks of these tween the cleats and glass of ordinary thickness, will, unbelievers may be seen for hours marching along of course, require sufficient stuffing with cotton, the borders of the glass, each probably wondering oakum, or some light material, to keep the glass in why its silly neighbor don't go up. We found the its place; but room must be left sufficient to allow other morning just under the glass two curculios, for the warping of the wood, and consequent bend-apparently checked in their progress up the tree; ing of the glass; still the experimenter must be but whether it would serve as any effectual protecprepared to find some of his strips cracked from this tion against this great winged enemy, may well be cause, though it may be mostly obviated by treating questioned, though I note this fact.

the woodwork to a good coating of paint before apthe woodwork to a good coating of paint before applying it. Should the glass finally crack, he will subject to their rayages, either the excellent works still find it as good a protector as before. Glass for of Downing or Cole give a correct idea of the time the above purpose can usually be found among the of the ascent of the canker moth or the ravages of waste pieces of the glazier. Care must be taken to the canker worm. In the year 1852 the first indiwipe the projecting portion of the under side of the vidual moth found in the act of ascending our trees, glass, to keep it free from dust or particles of earth, was on Oct. 24; in 1853, the first found was on the which may be dashed on by rains, otherwise by 13th; of the year 1854, we have no record, while stepping from particle to particle, the moth may be on the present year, the first discovered was on the able to bridge the barrier.

except an occasional specimen whose abdominal close of their season. load is exceedingly light, perhaps supplying one or two exceptions in the course of a season. There is ter a hard frost, which seems either to quicken her room of course to modify the above plan in some of instinct or set her free from some imprisoned state its particulars, to suit the judgment and experience in which she previously existed. We have examof each; for instance, in the distance between the ined our trees each day and each night for the past cleats and edges of the platform, some may prefer to fortnight, and find that like other intruders, they have them nearer, and the glass consequently narprefer the cover of the night, rower, but the above is the plan my father has adopted for our larger trees, and such as it is I them can testify that they will strip large trees, and adopted for our larger trees, and such as it is a cheerfully present it for the consideration of our brother farmers, and should their ingenuity or experience enable them to suggest improvements, we should be very happy to learn them. If the trees are small, say under six inches in diameter, instead are small, say under six inches in diameter, instead structured by the directly eneircled by are small, say under six inches in diameter, instead of the platform they may be directly encircled by glass. First surround such trees by a thick ring of rich putty, and allow it to remain a short time to harden, then insert your glass, having first cut off the corners to prevent all unnecessary pressure; the glass will now externally have the form of an octagon. Should it appear likely to fall, it may be propped by two or more supporters, resting on the ground. I should remark relative to this last plan, that its practicability is to a degree conjectural, though from a limited test we are sanguine that ral, though from a limited test we are sanguine that against his instincts. it will succeed.

Respecting the advantages of these plans, it will

parts together,) by screws or nails, as you please, that the simple apparatus can be easily constructed though to facilitate removal it will be better to fas- and applied by any person of common ingenuity, ten the transverse ones by screws. Secure the plat- that with the return of the growing season the proform to the trees, either by suspending it by strings tection necessary for a large orchard could be easifrom the lower limbs, or by wedging with wedges by removed, within an hour's time, and finally, that

Without knowing anything of the mechanical

21st inst. There can be but little doubt from the With our trees thus protected, we consider them above date that the moth usually commences her secure from the intrusions of the moth fraternity, ascent as early as thefirst of October, and we know those with wings sufficient for flying being except- by observation that they may be found ascending ed, and experience may teach us that we must also on almost any pleasant day from this date to the

Of the extent of their ravages, those infested by J. J. H. GREGORY.

Marblehead, Oct. 30.

EXTRACTS AND REPLIES.

A FINE SWEET APPLE.

J. WHITMAN, Esq., of South Abington, Mass., a protection. presented us a sweet apple the other day, which we think is a new variety, and a very fine one. It is a little above the medium size, oblong, of a greenishyellow color, on one side covered with russet blotches, and the other side free from them; stem sucker from the roots of an old tree, which was rehalf an inch long, slender and deeply set; calyx in moved some years ago, and which must, therefore, a shallow basin, and surrounded by minute blackish be a natural fruit. Please try them, and give your dots.

The flesh is tender, crisp, juiey, fine grain, having a delicious sweet, without any bitter or astringent flavor, and must be a good dessert, as well as baking diocrity in texture and flavor,—having a sharp, acid apple. He says it ripens in September, and will keep through October and November. With the fine erop of apples of the present season, it is difficult to procure, even in the country about Boston, a barrel of good sweet apples. We do believe that not more than one family in twenty, in Middlesex eounty, where we reside, and know something of its products, have, to-day, a barrel of good sweet apples,—whereas every farmer should have at least two barrels, and three more of Baldwins, Hunt Russets, or some other pleasant acid apples.

We hope the "Whitman Apple," will be submitted to good judges, and if found to be what we think it is, will be brought into notice.

AGRICULTURAL SCHOOL-VALUE OF CARROTS.

merous correspondents, please to inform me, through encourages me to ask a few questions also, viz.: the columns of your valuable journal, the value of carrots, as compared with oats, for horses and sheep, cultivation on the quince, taking into account vigor,

And will you please to tell me where there is a productiveness and flavor? good agricultural school for those who wish to go for a short time? A. R. Pierce.

West Townshend, Vt., 1855.

Remarks.—Will some of our correspondents answer the inquiries of the writer above, who, we does the benefit received in increase of milk, &c., suspect, is a lady?

KAHL-RABI.

Through the politeness of Thomas A. Smith, Esq., of Westboro', one of our systematic and in-if so, how should it be prepared? telligent farmers, we have received a fine specimen of the Kohl-Rabi, or Bulb-stalked cabbage, (Bras- Farmer, you will much oblige sica oleracea, or caula-rapa.) This eurious variety of cabbage is a native of Germany, where it is much cultivated, and whence it was introduced into Eng-ticle on Fruits in the monthly Farmer, gives the land, by Sir Thomas Tyrwhitt. The stem is swollen following list as those which succeed well on quince like a tuber, and, when destitute of the leaves, may stocks. readily be mistaken for one. The produce is nearly the same as that of Swedish turnips, or what we usually call ruta-bagas, and the soil that suits the one is equally good for the other. It may be sown 1852. in drills, or raised in beds, and transplanted like doubtful whether that course would answer here, near correct as we can come.

It might, perhaps, on a small scale, where the beds could be covered with leaves or something else as

NEW APPLES.

Mr. Editor:—I send you some apples raised by Mr. Lysander Hollis, of this place. They are a fair specimen of the product of a young tree—a opinion of their merit.

South Weymouth, 1855.

Remarks.—Well, we will. They are below metaste, and at the same time coarse, crumbly and mealy. Don't propagate them. You can find a dozen varieties better.

HOPS.

We are unable to inform our correspondent at Lincoln, Vermont, what proportion of hops is used for distillation, and what for other purposes. Λ large quantity, certainly, are pressed into cakes weighing one or more pounds, and used for family purposes, such as making veast, beer, &c.; but onehalf, probably, of all the crop produced, may be used in distilling.

PEARS ON QUINCE—GOOSEBERRIES—GRAZING MOW-ING LANDS-COTTON CLOTH FOR HOT-BEDS.

Mr. Brown:—The willingness which you mani-Mr. Editor :- Will you, or some of your nu-lifest to reply to the queries of your correspondents,

1. What are the best six varieties of pears for

2. What soil and treatment do gooseberries require, and what are the best kinds to raise for market?

3. Is the common practice of grazing mowing lands in the fall, a good one? or, in other words, exceed the injury inflicted upon the land, the roots of the grass, &e.

4. I think I have read of white cotton cloth being so prepared as to be a good substitute for glass on hot-bed frames; will it answer the purpose, and

By answering any or all the above inquiries in the

A Young Farmer. Weston, Oct., 1855.

Remarks.-1. Col. Wilder, in an excellent ar-

Louise Bonne de Jersey, Vicar of Winkfield, Duchess d'Angouleme,

Glout Morceau. Passe Colmar, and I rbaniste.

See his article, page 193, Monthly Farmer, for

2. The gooseberry requires a bright sun and cabbages; in this case the beds are sometimes made deep soil, made rich and kept light. See Cole's and the seed sown in Autumn, in England, but it is Fruit Book for the varieties. He is probably as

- is exceedingly injurious. Where there is a gener-weather—but they will produce an abundant crop ous second growth of grass, a portion of it may be on poor swampy land that will not produce any ods second growth of grass, a portion of it may be other valuable crop, or any wet land after being fed off without detriment, but to crop it as is the drained. Dry ground should be plowed and har-common practice, deprives the roots of their vigor, rowed smooth; in a swamp where a plow will not and exposes them to the winter winds, and is the work, the turf or bog may be peeled off or burnt frequent source of "winter-killing." Over feeding to get the weeds and grass out. They may be set also robs the land of a coating of manure which in fall and spring, as early as the ground will admit, would be found in the thick and decaying grass of to retain the moisture, would be beneficial around the second growth.
- pretty good purpose for a hot-bed. But a glazed weeds out. sash may be obtained so cheaply now, that it is scarcely economy to resort to anything else.

APPLES.

of apples, of which I wish to know the names.

probably forty years old.

Two specimens of what I take to be Hunt's Rus- the agricultural stores." set, keeps till May. Are they? One specimen of a handsome small, red apple, said to be very fine, in cating in January. An answer to the above, through the Farmer, or otherwise, will oblige,

North Andover, 1855. WM. BATCHELDER.

Remarks.—Two of the apples mentioned above are the Hunt Russet—the others are unknown to us.

MAGGOTS IN SHEEP.

GIDDINGS WHITMORE, of Marshall, Calhoun Co., Michigan, informs us that common honey applied to the heads of sheep afflicted with vermin, or to the tails of lambs when docked, will cure them. He summer. also says, in answer to the frequent inquiry, "What does the striped squirrel do with the dirt he exeavates in making his hole?" that he has seen them repeatedly go away with their cheeks stuffed, and Please accept a specimen of my apples. Can drop the contents in some stream near by, and so you inform me the name of them? The tree is a continue to work until their task was completed.

CULTURE OF CRANBERRIES.

Mr. Editor:—Will you inform me through the columns of the Farmer, the best modes of cultivatto 15 inches deep, and the water is drained two feet we have so many fine varieties about us. from the top of the turf. Would it be best to take off the turf and set the vines on the mud or muck? When is the best time for setting the vines, and how far apart should they be set? And is there anything that can be put on them to make them grow and bear well? H. W. Mason, 1855.

by Mr. F. TROWBRIDGE, of New Haven, Conn.,

the proper mode of cultivation:

tatoes with a wet substratum under the soil, or a dirt in their faces or cheeks. elay and loam. They will not succeed well on dry, Pelham, N. H., Oct., 1855.

3. The common practice of grazing mowing lands sandy, or land liable to bake or become hard in dry the plant after transplanting; a little sand around 4. Cotton cloth, oiled with linseed oil, answers a the plant fall and spring, will tend to keep the

Planted in drills as you plant strawberry, cabbage, and other plants, one and a half to two feet apart. At two feet apart each way, it will take 10,000 plants to the acre. Hoe them slightly at first, until the roots become clinched, and after-Mr. Brown:—I send samples of three varieties wards no other cultivation is needed, unless to keep out weeds and grass. The plants may be expected The largest-sized red apple is just now in eating, to run together and cover the whole ground in two bears well every year, most in odd years; tree or three years. They can be gathered with a crabberry rake made for the purpose, to be procured at

HOW TO SAVE PLUM TREES AND PLUMS.

In the spring remove the soil from the roots, and if there are any knotty lumps on them, scrape them off carefully, and then scatter two or three quarts of coarse salt over them, and then put on the soil, and during the summer keep the tree well covered with air slaked lime, to keep off the curculios, and oceasionally shake the trees while in flower and while the fruit is forming, gather and destroy all the fruit that drops. In this way I have been able to save my plums; I have gathered five bushels of good ripe fruit from one green gage plum tree this Respectfully yours

Pawtucket, Oct., 1855. G. D. Street.

APPLES.

great bearer, and some of the fruit is excellent; where the apple is exposed to the sun, it is some-H. W. Bartlett. what watery

East Holliston, Oct., 1855.

REMARKS.—This fruit is new to us, and if like ing cramberries, on a swamp where the turf is from 10 those we tasted, hardly worthy of propagating, when

For the New England Farmer.

STRIPED SQUIRRELS' HOLES.

Mr. Editor:—There has lately been going the rounds of the papers an article asking "What be-REMARKS.—The following is the plan proposed comes of the dirt when a striped squirrel digs his Mr. F. TROWBEIDGE, of New Haven Conn., hole?" I had supposed that naturalists know, and that every intelligent farmer ought to know, that a and agrees pretty well with our own knowledge of striped or ground squirrel, when he digs his hole, carries his dirt in his cheeks to a distance of several "The soil best adapted, is such as will keep rods from where he digs it. In proof of the above moist through the dry season; they have been I can show a pile of dirt where it has been left by raised on land high enough to produce corn and pothem, and have several times killed them with the B. F. Cutter.

THE INSECTS OF COMMERCE

There are forms of life, insignificant as to the outward appearance, which are not only indirectly serviceable to mankind, but of great direct commerwith the lowly in the scheme of creation.

nectar of flowers is in many countries an important Persons employed in collecting them have the face article of food, and the base of a vinous beverage, and hands protected by coverings, from contact. though its value has much abated to ourselves since This is usually done morning and evening, when the though its value has made the insect the discovery of sugar. The wax which the insect are somewhat torpid, by shaking or beating the discovery of sugar. occasionally secretes is also an extensive demand the boughs of the trees they infest with poles, and among civilized nations for various domestic pur- receiving them on cloths spread upon the ground.

loons of the great.

At Narbonne, the chief trade is in honey, which whiteness, and highly aromatic flavor. This pecuplants in the neighborhood, and the variety in the nourishment of the bees secured by the system of the linear the linear figure and antennae. When touched the insect feigns death.

The management of the gardens of the city, the After the layarious and healing insects, we come tant, as far as the Low Pyrenees. By this arrangement, the cultivated vegetation, with that of the ment, the cultivated vegetation, with that of the meadows and the mountains, is put into requisition to produce the honey of Narbonne. The tending and some of the West India Islands, where it lives of boss is perhaps the oldest of all industrial control of the West India Islands, where it lives its locality. Milton speaks of the

"Flowery hill Hymettus, with the sound Of bees, industrious murmur."

have occupied the spot, from the most prosperous on which they feed by blunt knives, and killed by days of Athens to the present hour. They are kept being dipped in boiling water, then dried in the loam within and without. For upward of two thou- our imports included 22,451 cwts. of cochineal, sand years the Hymettian bees have been on rec- somewhat more than half of which quantity was reaccording to the poetical saying,

"Their race remains immortal, ever stands Their house unmoved, and sires of sires are born."

mention may be made of a class extensively used in still the produce of Mexico. medicine. In former times, odd ideas prevailed reecary; for lady-birds have been recommended in the true Mexican cochineal. It is found upon a cases of measles, carwigsin nervous affections, coek- small kind of oak which grows abundantly in the chafers for the bites of mad dogs, ticks for erysipes south of Europe. The tree clothes the declivities his, and woodifice as aperients. But, passing by of the Sierra Morena, in Spain; and many of the such vagaries, the Spanish fly, or blister-beetle, inhabitants of the province of Murcia have no other cantharis resicutoria, is an insect of commerce in-mode of obtaining a livelihood them by gathering dispensable to allopathic materia medica. It is its animal tenants. There are several other species,

found sometimes in England, but this is a rare occurrence, though it appeared in great numbers in Essex, Suffolk, and the Isle of Wight, in the summer of 1837, frequenting ash trees, on the leaves of which it feeds It is more common in France, cial value, either in themselves or in their products, which it leeds It is more common in France, to some of which we may refer with interest, as illing the pame, the greatest quantity is obtained from lustrating the frequent connection of the beneficial Astrachan, in Russia. The Russian insects are con-The honey which the bee elaborates from the When alive they exhale a pungent volatile principle. poses, polishing furniture, and lighting up the sa- They are then killed by exposure to the vapor of hot vinegar, dried in ovens, or on hurdles in the is said to be the finest in France, remarkable for its chests. Fifty of the dried carcasses scarcely weigh sun, and packed for the market in casks and small liar excellence is owing to the number of fragrant an inch in length, of a light shining green color, a drachm. The cantharis is about three-quarters of

hives are regularly carried to the surrounding mead-to a much more tiny and numerous class to which ows, and afterwards conveyed 30 or 40 miles dis-the name of dyers may be applied. Cochineal, used After the luxurious and healing insects, we come to produce our brilliant searlet, crimson and carof bees is, perhaps, the oldest of all industrial occupations, after tilling the soil and keeping flocks and herds.

It is also one of the most stable as to or, and is supposed to contain the coloring matter. The insect is of small size, seldom exceeding that of a grain of barley, and was generally considered a regetable substance for some time after it began to Hymettus, memorable from its connection with the be imported into Europe. It is on record that a name of Plato, extends to the east and south of ship being wreeked in Carmarthen Bay, of which Athens. From the summit, the ancient city was cochineal formed a part of the cargo, the article was seen in its glory near the base while beyond it, turned into the sea as damaged grain, and the bags westward, lay the Gulf of Salamis, the scene of the alone preserved. In Mexico, the principal scat of naval triumph of the Greeks over Xerxes. At that time the hill was a "flowery" one, and swarmed with bees, from whose hives the best of the Attic honey called grana fina, or fine grain; and the wild, was obtained. The hill is now where it was, and as named grana sylvestra. The former is nearly twice it was when Themistocles fought the Persians, cov- as large as the latter, probably because the size has ered with wild thyme, giving employment to those been improved by the favorable effects of human humble laborers, who in uninterrupted succession, culture. The insects are detached from the plants in hives of willow or osier, plastered with clay or sun, and placed in bags for exportation. In 1851, ord, surviving the revolutions which have changed tained for home consumption. As each pound is the features and uprooted the population of Attica, supposed to contain 70,000 insects, the enormous annual sacrifice of insect life to supply the markets of the world may be readily imagined. The insect has been introduced into Spain, Malta, Algeria, Java, Next to these pleasant caterers for the healthy, and India, but the valuable article of commerce is

Kermes-grains, another dye-stuff, consists likespecting the medicinal value of insects, which if true, wise of the dried bodies of an insect belonging to would certainly diminish expenditure with the apoth- the old world, co cus ilicis, of kindred species to

one of which is called the scarlet grain of Poland, coccus polonicys, being found on the root of a perennial plant growing in the sandy soil of that country and other districts. The word kermes is of Persian or Arabic origin, and signifies "a little worm." lately got the Western fever, and as one step to-In the middle ages, the material was therefore wards its treatment, sold out a fine milk run, from called vermiculus in Latin and vermition in French, which he had made a good living, and laid by some which latter term has curiously enough been transmore against a rainy day. His son on going his ferred to the red sulphuret of mercury. Before rounds for the last time, called on an old sea-captain, the discovery of the western world, it was the most whom they had supplied with milk for some years, esteemed substance for dyeing scarlet, and had been after pouring out his accustomed supply, the son used for that purpose by the Romans and other an-told the captain that Mr. W--- would bring his cient nations from an early period. But notwith-milk to him in future, as his father had sold out standing their acquaintance with it, the real nature to Mr. W——, and contemplated going West. of the product was unknown, being supposed to be "1)—— the West," abruptly replied the old salt. a vegetable grain, fruit or excrescence, and not final-"Tell your father that when he has been around the ly established to be an insect, assuming the aspect of world as much as I have, and seen the whole a berry as it did in the process of drying, until a re-elephant, he will be glad to come back and settle cent date. Through several centuries in Germany, in good old New England," and without any furthe rural serfs were bound to deliver annually to ther remark resumed his chair. the convents a certain quantity among the products | I have no doubt very many have found the rough the red hue of his hat and stocking.

BLOOD STOCK.

"blood stock."

dent of success in rearing their calves.

ally find an extraordinary cow that yields more than business? 1 think not. for judgment.

ing? The same which a gambler makes to get a could not guess. No doubt, however, they are fortune. He runs for luck, and makes but little legion, and I guess the old sea Captain's blessing calculation, except upon the want of information of has more than once passed their lips.—Take my adthose who may be induced to play with him. vice, boys, and stay at home. Ploughman.

For the New England Farmer.

HO! FOR THE WEST.

Mr. Editor :—A certain man in West Roxbury

of husbandry. It was collected from the trees upon prophecy of the sea captain sadly true to their expe-St. John's day, with special ceremony, and was rience. Very few who go West, so far as I can called Johannisblut, "St. John's blood," in allusion learn, (and my experience embraces a large numto the day and the color. Many a prond cardinal ber,) acquire property strictly by farming. They has been indebted to this diminutive creature for have got their money either by speculation or by the rise of property on their hands. So far as real legitimate farming is concerned, it will be found, I think, that the East compares very favorably with the West, and so far as small farmers are concerned, rather exceed the Western. Of course I have It seems impossible to make some people under-nothing to say in regard to the ease by which crops stand what is meant by the expression, "Blood are produced in the one compared with the other-Stock." They will twist, and turn, and laugh at simply the amount of money obtained, acre for acre. the idea that any farmer, by judicious selections, has There is no question but certain crops are producreared a herd of cattle that inherits the principal traits of the animals selected to begin with.

They laugh at the idea of keeping the very best to for breeders—and will tell you how a chance animal change in farming, if that is the only object? Very of their own has excelled the herds denominated few persons who have been nurtured and brought up all their days in the East, and perhaps never And yet when you ask what reliance they can have been fifty miles from their birth-place, form have on the progeny of chance animals, they will very correct ideas of what this young West really tell you that they have bred from the same for six- is, until they arrive where the elephant can be seen ty years in succession, and therefore they are confi- in all his gigantic proportions, and then they do see very truly a magnificently large animal - hand-Now this is precisely the doctrine of the advo-somely proportioned for one of its size—but after cates of "blood stock." They breed from the best, all, it's all elephant and nothing else. It seem to and cast off the inferior animals. They want no me that no man in his right sense would think of crosses with inferior animals, and are confident that going West and taking up government land at by pursuing this course, they are on the *right* road \$1,25 per acre. The chances are, as a general to perfection, however long that road may prove. Still there is another class of farmers who profess his good. New England civilization and privileges to think that the most promiseuous intercourse be-about him, will deter him from this rash act. tween the males and females of eattle, will tend to broduce better dairy cows and better working oxen, than can be produced by any kind of selection.

These farmers inquire what is meant by "blood Now I ask our young New England men again, if the light of the light stock." They would prefer to buy from the most under all the circumstances, and I have only sugpromiscuous herds of cattle because they occasion-gested some of them, this going West is a paying Not as long as good the average of blood stock. If one in fifty is found farms, in delightful townships, with all our puritan to excel the average of select stock, they seem to priviliges, can be purchased for from \$1000 to think they have proved their case, and are ready to \$3000 in any of these New England States. How many are there now "out West" who wish But what progress do such people make in farm-themselves back again, and in their old homes—I

Oct., 8th, 1855.

Tirrell.

CORN POETRY.

The verses go off in a real strong Mormon sort of way.

The West can boast of glorious streams, And prairie's grandest lawn-Of lake and forest old and green, But most of Indian corn, Large fields of Indian corn

From peaceful sleep the plowman wakes, And rises with the morn; Deep furrows all day long he makes Through rows of Indian corn-Long rows of Indian corn.

'Tis sweet when summer sams go down, When winds have ceased to blow, To list its rustling, crackling sound, And think we hear it grow; It seems so glad to grow.

I love to pull it from the stalk When it is in the milk, And husk it out its sheath, and talk Of its soft shining silk-Its glossy floss, its silk.

And when at noon aside we dash Our work for bell or horn, Give me a dish of succotash Or ears of Indian corn-Hot ears of tender corn.

I'll take it with a true delight, And costlier dishes scorn, For nothing tempts the appetite Like ears of roasted corn-Sweet ears of roasted corn.

Then when its sheaves stand thick about, And fruits the fields adorn, How gushes out the merry shout From huskers of the corn-The yellow, golden corn.

Where freedom floats on every breeze, And fields of Indian corn Are spread out on the land like seas! I joy that I was born-Blessed land of Indian corn.

For the New England Farmer.

GRAFTING YOUNG TREES.

upon the Amelanchier, or Shad bush, has not been from doing damage elsewhere. successful this year, mainly in consequence, as I think, of hasty and imperfect operation. None of condition to bear crops. Accordingly, late in the the grafts have taken; but as I am perfectly aware fall, just before the frost had shut the ground up, that they did take on the same stock, and grew vig-Mr. Patterson had a portion of the ground harrowed. orously, forty years ago, as mentioned in my last and on it he sowed winter rye, together with herds communication, I do not consider the point decided grass, clover, and red-top. This was suffered to reagainst the use of the shad bush for a stock in lien main without being harrowed at all, and the winter of the quince; and I look for a more favorable issue soon setting in, none of the seed germinated until of the next trial,

cultural question. Possibly some of your correst and red top, but not much of the clover. The rye pondents may have determined it already, from their that came up grew very well, but the herds grass own experience. It is presumed that seedlings are and red top came on vigorously, and produced a often raised from garden or orchard apples for the bountiful crop of grass which was cut and secured purpose of forming stocks. The question is, will at the usual season. such stocks be serviceable for grafting with scions Mr. P. estimates the amount of hay obtained Or would the case be simply immaterial?

On yet another point your opinion would be very We find in the Iroquois Free Press some poetry upon "In- acceptable—with respect to the feasibility of estab-dian Corn" written in a style a little homespan, but after all lishing an orchard in less than the ordinary time, by with a kind of ring about it which may commend it to the boys-presses of the real strengt Versus respect to the part of the press. grafting young trees where they stand, without subsequent removal, instead of transplanting grafted trees. For instance, in this quarter, although situated in the farthest north and east, and exposed to the icy blasts of the northern Atlantic, apple trees appear to spring up spontaneously. Whole fields are dotted over with them. I have such a field. The soil is gravel, on limestone rock. It never was much cultivated; and for many years, not at all. The white weed, or ox eye daisy, has been in undisputed possession of it, during forty years; but it contains numerous young apple trees, no doubt sprung from seed that has been casually dropped. There are old trees not distant, supposed to have been planted in the time of the French occupation of the country. They may be eighty or one hundred years old, and still thrive luxuriantly, in defiance of all sorts of ill treatment. Might not this field be expeditiously converted into a valuable orchard, by grafting the young trees where they stand? The question afterwards would be-ought they to receive any cultivation, and of what kind? They appear not to require it in the natural state.

A reply to these questions would, undoubtedly,

prove interesting to others, as well as to Sept. 12th, 1855.

* As late in the season as 17th of May, I have witnessed the sea filled with floating masses of ice as far as the eye could

A GOOD INVESTMENT.

We had the pleasure last week of going over the farm belonging to J. W. Patterson, Esq., the present Mayor of our city, and noting the results of some experiments he has been trying during the past season. This farm is about a mile east of the bridge, and is principally a clayey loam. About 45 acres of it last year was covered more or less with bushes, being that part from which wood had been cut for market. Last summer, during the height of the drought, he employed some persons to cut the bushes, but soon after beginning the work, some boys thought they would set fire to a hornet's nest which they met with among the bushes. The fire spread from the hornet's nest and soon burnt over Messes. Editors:-My attempt to graft the pear the whole piece, and was with difficulty restrained

It now became necessary to put the land into a the spring. After the spring opened, a part of the Allow me to bring to your notice another horti-'ryc came up, and to appearance all of the herds grass

from those trees from which the stocks derived their from the grass seed thus sown in the fall, and which origin? Is it probable that trees so obtained would did not come up until spring, to be not less than derive either advantage or detriment with regard to twenty-five tons. We did not note what probable the quality of the fruit, or the duration of the tree? number of acres of the forty-five were thus laid Or would the case be simply immaterial? down. The balance of the piece was laid down this grain, and the eatch of grass is excellent.

wheat,—this is a variety not usually cultivated frosts. He has promised us some of the coffee of among us. It is a bald wheat, straw of medium this year's growth to plant in our own garden, for height and the berry is white and plump. It is now he desires that we also should test the truth of his ready for the sickle, though not sowed until the 25th experiment. and 26th of May last. We saw no signs of weevil or rust among it, and we should judge that it would yield twenty-five bushels to the acre.

But what we wished more particularly to remark is this, viz: that the money invested in this enter- NOTES ON THE WEATHER AND CROPS IN THE YEARS writes in well invested. We find that our formure 1854 AND 1855. prise is well invested. We find that our farmers may be divided into two classes in regard to the cannot. 2d. Those who can, but will not.

princi-ple, too.

But this investment has proved a very safe and profitable, and, what is better yet, a very honest one. Mr. Patterson will realize at least a return of 3, rainy with lightning; 4, great rain from north-

For the New England Farmer.

FROZEN SAP BLIGHT.

Mr. Editor:—Dear Sir,—permit me, through the columns of the Farmer, to express my views in answer to J. W. W., as I, too, have suffered from the same cause, viz: frozen sap blight on the trunks the same cause, viz: frozen sap blight on the trunks showery; 11 and 12, cool; 13, little shower; 14, of apple trees. When it is recollected that the first part of last winter was very mild, and that the latter part was the coldest we have experienced for thirty years. I think we may safely conclude, that thirty years, I think we may safely conclude, that rose-bugs appear; 21, sudden change in the weathduring the mild weather, the sap had been attracted er, wind northeast, very cool; 22, cloudy and cool, to a certain extent up into the trunks of the trees, wind north-east, and continued so till 24, when it when the intensity of the cold which followed, caused cleared off; 25 and 26, cool and dry; 27, do; 28, the sap vessels to burst, and hence the dead bark, warmer, thunder-shower and plenty of rain; 29, I have one fine Hubbardston tree on which there is a fair and warm; 30, cloudy, cool and rainy, vegetaspace about eight inches wide, killed entirely around tion looks well, corn shows the tassel earlier than the tree; this having pealed off, I prepared eight for many years. scions, taken from a young Greening tree, and inserious, taken from a rounder the live bark, above dry; 12 and 13, cool and dry; 14 and 15, rainy serted one end of each under the live bark, above dry; 12 and 13, cool and dry; 14 and 15, rainy and below the dead part, and covered the wounds and cool, wind north-east, ground well soaked; 16 with grafting wax. They soon united and have and 17, foggy, 18 and 19, good hay weather; 20, made a fine growth, and the tree ripened several ap-21, extreme heat; 22, cloudy, wind north-east; 23, ples. I have about one hundred and fifty apple great heat and soaking shower; 24, warm thunder-trees, of ages from two to twenty years, that have rare-showers all day, wind south; 25, the third rainy ly escaped a wash of soap-suds twice in the course day; 26, cloudy; 27 and 28, cooler, good hay of each year, but I have no reason to suppose them weather; 29 to 31, warm and dry. any the worse therefor. E. C. II.

East Bridgewater, 1855.

last spring, and is covered with a heavy erop of raised the coffee plant in the open air, from seeds brought from Cuba. It grows about two feet high The crop consists of four bushels sowing of spring and produces its berries in pods, something like peas, wheat, and thirty-three bushels of oats. The wheat The plants, he says, have matured, even this cold is the variety known by the name of Scotch Fyfe season, and the berries ripened without injury from

For the New England Farmer.

THE WEATHER AND CROPS.

Messes. Editors: — Notwithstanding all our subject of expending money in agricultural improve- boasted knowledge and progress in the various ments on their farms. 1st. Those who would, but branches of farming, we see it verified that "Paul may plant and Apollos water, but it is God which Mr. Patterson expended not less than \$600 on giveth the increase." Deep plowing, scientific manthis 45 acres. This is a great deal of money to be uring and improved cultivation, do not warrant us thus used in our latitude. Many of our farmers, great crops. We see that from different causes our instead of putting \$600 to such a use, would look crops have fallen short the two past seasons, under at it a long time before doing any such thing, and any system of management which intellect could demost probably would have used it in skinning some vise. I shall commence my notes at the first of poorer neighbor by shaving his note so closely that May for each year. I have not gone to the accurathe discount would far outweigh the principal—the cy of stating the degrees of heat and cold by the thermometer.

1854.

May 1, moderate; 2, very warm and pleasant; \$400 on the \$600 invested, and that too in one east; 6, snow squalls, very cold; 7, Sunday morn, short year, and the land still be in a condition to re- froze so hard as to bear my weight on a puddle in turn as much another year. Can any of your note-my barn-yard! the coldest day I ever saw in May; shavers and fancy stock jobbers show a better re- 8, cool; 9, warm and pleasant; 10, do; 11, thunturn for eash invested?—Me. Farmer. der shower and plenty of rain; 12 and 13, warm and pleasant; 14 and 15, rainy, very growing time; 16, very warm and pleasant; 17, wind east, apple trees begin to blossom; 18. showery all day; 19 and 20, fine and fair; 21, light thunder showers; 22, fair; 23, cool; 24, slight frost; 25, rain; 26, eclipse of the sun, and cool to the end of the mouth.

June 1, slight frost, grows dry; 2 to 7, continues dry; 8, soaking rain; 9, growing time; 10,

July 1, fair and cool; 2 to 11, very warm and

August, 1, 2 and 3, warm and dry; 4, fine rain; 5, great dew—through July to this date, but little dew. 6 to 12, eooler and dry, no dew; 13, very THE COFFEE TREE IN MAINE.—Mr. Drew, of the hot and dry, no dew; 14, cooler, wind north-west, Rural Intelligencer, says that a friend of his in the very dry; 15, light frost, dry; 16 and 17, fair, cool town of Mt. Vernon, has for the last three years and dry; 21 to 30, very dry, no dews, fires raging

and 29; 31, warm and dry.

plenty of rain, weather fine, fires extinguished, growing season at an end. From the 4th to the last of form, and filled with well written, practical articles. August the drought was the most rapid, and the evaporation the greatest I ever knew in so short a Among the contributed articles is an excellent one space of time, which may be accounted for from the on shade trees, by our old friend and correspondent, circumstance of the great heat and deficiency of WILLIAM BACON, Esq., of Richmond, Mass. The

May 1 to 8, cold, frosty and dry; 9 and 10, wind north-east, cold and cloudy; 11, moderate; 15, warm and dry; 16, began to rain, which contin-cess. ued through the night; 17, fair and cool; 18 to 23, very cold and cloudy, a few drops of rain; 24 frost, A. M.; warmer, with lightning, P. M.: 25, warm; 26, cold and windy; 27, 28 and 29, frosty mornings and cold dry days; 30 and 31, cool and dry, apple blossoms begin to fall. May has been a cold, dry month who can wonder that the crops of If the potatoes and the tops are continually remov-English hav should be short and the other crops backward at the end of such a May?

June 1 to 3, violent south wind lasting three days doing much damage, accompanied with clouds it will soon exhaust the sulphuric acid. 16 and 17, cool; 18, frost; 19, rain through the night; 20, cool, all vegetation very backward; 21, warmer, with soaking showers; 23, warm and growing weather with plenty of rain up to the 27th; say 1,600 tons. According to the above figures, it

ish out the month.

5 and 6, showers; 7 and 8, great north-east rain; 9 matter, and that 4 per cent. of this is ash, and that and 10, fair and cool; 11, rainy; 12 to 19, warm, half of the ash is potash, we only remove in a crop good having; 20 to 31, showery, poor hav weath-of 250 bushels, 60 lbs. of potash. Say that the good having, 20 to 51, showly, pool has we were tops contain 20 lbs. more, and we have potash tion.

August 1, the first fair day for a long time; 2, 3 bushels of potatoes, each year for a century! and 4, good hav weather; 5, 6, fair, plenty of dew; the cramberry crop, and put an end to the growing of 30 bushels per acre for two hundred years!

season for the present year.

enough of every good thing left but gratitude to the tion all the potatoes and wheat they may need. bountiful hand which has dealt with us so liberally heretofore. Our best policy will be to "go ahead" intelligent farmer removes all the potatoes and tops, with renewed energy in preparation for another all the wheat, straw and chaff, and all the corn, was by collection as the first product of the corn, was by collections as the first product of the corn, was by collections as the corn, and the corn, was by collections as the corn, and the corn, was by collections as the corn, and the corn, are cornered to the corn, and the corn, and the corn, and the corn, are cornered to the corn, and the corn, and the corn, are cornered to the corn, are cornered to the corn, and the corn, are cornered to the corn, are cornered to the corn, and the corn, are cornered to the corn, are cornered to the corn, and the cornered to the corn, are cornered to the corn, are cornered to the cornered to the cornered to the cornered t S. Brown. points of the compass.

Wilmington, Sept. 12, 1855.

in many places; light frosts on the mornings of 28 with the above title, edited and published by C. Reagles, Esq., New York city. It is illustrated September 1, rain, first since August 4; 2 to 10, with landscape sketches, fruits, plans of buildings, articles, generally, are attractive, and indicate a knowledge of the wants of the people on the part of the editor. We wish the enterprise great suc-

EXHAUSTION OF THE SOIL.

"There is, on an average, about one-fourth of a pound of potash to every one hundred pounds of soil, and about one-eighth of a pound of phosphoric acid, and one-sixteenth of a pound of sulphuric acid. ed from the soil, it will soon exhaust the potash; if the wheat and straw are removed, it will soon exhaust the phosphate of lime; if corn and the stalks, and very little rain; 4, 5 and 6, cool and dry; 7, there is a rotation, or the material that the plant rainy, wind north-east; 8, windy and cold; 9 to 12, requires, supplied from abroad, your crops will soon light showers and cool; 13 and 14, cool; 15, rain; run out, though the soil may continue rich for other

An acre of soil twelve inches deep would weigh, 28, 29 and 30, extreme heat and a little rain to fin- would weigh 8000 lbs. of potash, 4000 lbs. of phosphoric acid, and 2000 lbs. of sulphuric acid. Esti-July 1 and 2, hot and dry; 3 and 4, fine weather; mating that potatoes contain 20 per cent. of dry

A crop of wheat of 30 bushels per acre, contains 7, fine shower; 8, cool; 9, soaking rain; 10, fair and about 26 lbs. of ash, and half of this, say, is phoscool: 11 to 15, cool; 16 to 17, showers; 18 to 22, phoric acid. Allowing that the straw, chaff, &c., cool and frosty mornings; 23, warmer; 24 and 25, contain 7 lbs, more, we remove from the soil in a fur and warm; 26, light rain; 27, very cool; 28 to crop of wheat of 30 bushels per acre, 20 lbs. of 30, fair, cool and frosty mornings; 31, a hard frost phosphoric acid. According to the above estimate, which put a check to the growth of vegetation, injured the corn and other crops, and nearly ruined acid to produce annually a crop of wheat and straw

We will pursue the calculation no farther. Thus we see in defiance of all our wise plans and writer of the paragraph quoted above, selected out anticipations, our corn, cranberries and many other the crops and elements best suited for his purpose; productions were cut off or injured last year by heat but it will be seen, that even according to his own and drought, and the present year by cold and estimate, there is sufficient potash and phosphoric frosts; but, thanks to a good Providence, we have acid in the soil to give the present wicked genera-

year by collecting materials for manure. I have stalks, &c., from his farm. According to Dr. Salislately dug out and carried on to the "field of oper-bury, a crop of corn of 75 bushels per acre removes ations" some 300 loads of mud in preparation for from the soil 600 lbs, of mineral matter; but the another attempt at supplying our bodily wants, in-grain contains only 46 lbs. The remaining 554 lbs. dependently of any nation living at any of the four is contained in the stalks, leaves, sheaths, husks, tassels, &c., all of which are generally retained on the farm. It follows from this that, when only the grain is sold off the farm, it takes more than 13 crops to remove as much mineral matter from the NEW YORK HORTICULTURAL REVIEW.—Some soil as is contained in the whole of one crop. Again, time since, we received the first number of a work the ash of the grain contains less than 3 per cent.

bushels of corn contains less than a pound and a to the old methods of saving and making manure, half of sulphuric acid, and, thus, if as is estimated, would do well to pay him a visit and observe the an acre of soil contains 2000 lbs, of sulphuric acid, capital arrangements he has, in connection with his we have sufficient for an annual crop of 75 bushels barns, to save the refuse (which is often swept out

per acre for fifteen hundred years!

or chaff, and frequently consume on the farm nearly passed into his manure cellar, where it is compoundas much bran, shorts, &c., as is sent to market with ed with the rest of the waste matter which goes to the grain. In the Natural History of New York, make up the dungfill. part 5, it is stated that a crop of wheat, in Western Altogether, this is one of the best farms we have New York, of thirty bushels per acre, including seen on Cape Cod, and those who contemplate imstraw, chaff, &c., removes from the soil 144 lbs. of proving their land and barns, would do well to call mineral matter. Genesee wheat usually yields upon Mr. Howes and see what industry and scienabout 80 per cent. of flour. This flour contains tific farming can do towards turning the desert into only 0.7 per cent. of mineral matter, while fine mid- a fruitful field.—Barnstabte Patriot. dlings contain 4 per cent. Coarse middling, δ_2^4 ; shorts, 8; and bran, 8½ per cent. It follows from this that, out of the 144 lbs. of mineral matter in the crop of wheat, less than 10 lbs. is contained in the flour. The remaining 134 lbs. is found in the straw, chaff, bran, shorts, &c. Even, however, if none of the shorts is returned to the farm, the 30 bushels of grain remove from the soil only 26 lbs. of one is exposed to all sorts of weather, wet and cold, mineral matter; and it would take more than five hot and dry, just burely squeezing along and makcrops to remove as much mineral matter as one ing the ends of the year meet, when one can work crop contains. Allowing that half the ash of wheat in a shop where it is warm and dry, and in the is phosphoric acid, 30 bushels remove only 13 lbs. shade at least in hot weather? Dig as hard as we

the writer of the paragraph we have quoted. If his turn one of the rooms of my house into a shop, estimates are correct; if the soil contains as much and I and my boys will go to making boots, and I potash, phosphoric acid and sulphur as he states, advise you to do the same.

in the latter part of the paragraph, has no founda-exposed to all sorts of weather, but if they are tion in fact. If a soil is exhausted of potash, or of careful, it is no worse than being shut up in a shop phosphoric acid, it will not "continue rich for other all the time and confined to a bench." Not a plant that we commonly cultivate, can grow upon soil destitute of any of the mineral he can make his dollar and a half a day in the shop elements of plants.—Country Gentleman.

FARMS ON CAPE COD.

farm of James Howes, Esq., who for the last few shop, they don't like to go out doors to work. years has made great improvements upon his land! and barn. He has brought a patch of land he owns, in the shop, and I'm not disposed to expose myself which is situated upon a high hill, into a good state to all weathers and work like a dog when I can get of cultivation. Though upon this land he has expended much labor and money, he has begun to another way. The thing is done with me, and I reap the advantage of what he has done. His crops advise you to follow suit, and do as all the rest of of carrots and ruta baga turnips are most excellent, the world—that are smart enough—are doing, get with his seed considerable quantities of wheat; by this accident he has discovered that a portion of his land is adapted to its cultivation, for when his crops had maintained a sort of friendly rivalry in the was matured, he found that the ears of wheat were management of their farms. Mr. Russel, the one well filled out, and in fact, were in every way equal who was going to quit farming, had the largest, and to what he had seen in any part of the country, naturally the best farm, but Mr. Burton, his neighthis fall he has sown a piece of his land with wheat, and the recent rains, combined with the elemency judgment and skill to bear upon his acres, and selof the season, have caused the young and tender dom failed to raise a little the largest crops on less blades to appear, and altogether, present appear-land. Taste and inclination, too, made farming ances seem to indicate that his experiment will be lighter to Mr. Burton than to his neighbor, who successful.

of sulphuric acid, so that the 46 lbs. of ash in 75 cattle. And some persons, who are bound to stick and made unavailable for farming purposes;) he Intelligent wheat-growers seldom sell their straw, carefully preserves all he can, and causes it to be

For the New England Farmer.

AN EASIER WAY THAN FARMING.

BY ICHABOD HOE.

"What is the use in digging on the farm, where from the soil, and if the soil contains 4000 lbs., it will, we can't make as much as those who work at will take 207 crops of 30 bushels each to exhaust it. boot-making, and don't work much more than half We commend these facts to the consideration of the time either. I'm going to quit farming and

we need have few fears of waking up some morning to find all the precious elements of crops departed from our soils forever.

We should just observe that the idea, embodied to learn old dogs new tricks.' Fermers have to be

 "O, a man needn't work all the time on the bench, and not work much more than half the time, and the rest of the time he can work out of doors, if he has a mind to.

"Yes, but that 'mind to' is apt to be lacking; I Yesterday we were conducted over the excellent have noticed in those who get accustomed to the

"Ah! that's because it is so much easier to work When he sowed his rye last season there was mixed a living some other way than digging on the farm

the reader has already observed, thought a good The barns of Mr. Howes are large and airy; he deal of getting on easily and without exposure. has accommodation for twenty or thirty head of His sole stimulous and principle of action in manthis system, he found that every succeeding year of the year, required closer engineering to make the ends meet. Meantime farmer Burton kept on the even tenor some other way.

it, which gave it a cheerful aspect. And then the school in her younger days. tween them and the house.

twins—and three daughters.

but, some how, it seemed to get away unrecountably sons found each year added to their income, fast. The first season after Russel and his sons be-

One cause of this was found to be owing to the to going to school. amount of doctors' bills they had to pay; for, from

aging his farm, was, to get the most possible for the these "pull backs," they made more money than present, without reference to the future. Under they did at farming, and could see more at the end

and this, too, notwith-tanding his two boys had got of his way-improving his farm somewhere every big enough to do almost a day's work each. Mr. year; sometimes reclaiming a piece of low ground Burton had followed quite another system in the by ditching and draining, and improving the high management of his farm, and by the help of his ground with the muck from the low, and the boys, who were twins, about the age of Mr. Russel's low with the sand or loam of the high. As the second boy, he found his income from the farm "twins" grew up toward manhood, they felt, like all slightly increasing. Farming at that time was at a young men, as though they could do wonders for pretty low ebb, and every body, as Mr. Russel said, themselves by leaving the old hive and striking out seemed to be leaving it to get a living and property to make their fortunes on their own hook; but the me other way.

father's experience had taught him that "in union The most casual observer would see at a glance there is strength," and he advised them to remain that Mr. Russel was not a man of much taste, at home with him and he would allow them so much from the appearance and arrangement of his build- a month, or it they preferred, they would all work ings. His house, which he had built himself, stood in common, and each share such a part of the proclose by the road-side, and his barn stood nearly fits. The advice of the father, aided by the peropposite to the house on the other side, still nearer suasions of an excellent mother and affectionate sisthe road than the house. No trees or shrubs shelters, who all aided in making home pleasant, overtered or adorned either the house or barn. His came all inclinations to go abroad. The father and neighbor Burton's was somewhat unlike this. His sons formed a sort of joint stock, or rather, joint place manifested no particular refinement of taste, labor company out doors, and the mother and but it had a different "air" about it. It stood far-daughters its counterpart in the house. The mother back from the road, and had several fine large ther was a very intelligent woman, and acquainted cherry trees near it, and two towering pear trees, with the ways of the world to more than an ordiand there were shrubs and flowers around and near nary extent for one in her place—having taught

barn and out-buildings were back from the house, As has been said, Mr. Burton's farm consisted of and nearly out of sight, hid by the apple trees be-less than a hundred acres, containing, in fact, but seventy. For a while he thought of buying a part Mr. Russel had the shop-room soon finished off, of his neighbor Russel's, but he found the more and and a hand hired to come and learn both himself better a piece of ground was cultivated, the more a and sons to make boots. He had three sons in all, great deal it produced. Acting on this bint, it was but the youngest was too young to do much; he not long before they found they had as much land had one daughter. Mr. Burton had two sons—the as they could manage with profit. Their farm was situated ten miles from Boston, and in two or three Russel applied himself with a will to his new years from the time to which this story refers at trade, and Burton dug away upon the farm, with, its commencement, a railroad was constructed perhaps, a little more energy and determination through the town, and not far from the farms of than ever. For two or three years Russel gained Mr. Russel and Mr. Burton. This gave facilities upon his neighbor in worldly thrift. Times in his for getting the products of the farm, its fruits and new business were good, and money flowed in easily, early vegetables, to market, and Burton and his

gun on their boot-making, they planted a piece to two homes of the two families here spoken of. The potatoes and a small patch of corn, and had what Russel family were all engaged upon boots in some was called a garden too, but it was very little at- form or other. The mother and daughter bound, tention they all got. Occasionally Mr. Russel him-stitched and fitted" boots, and the father and sons self would get out with a hoe, but the boys usually made them, and when the boot business was good, shunned that kind of recreation, and after the first they handled a good deal of money. But all must season, they all concluded they had rather take a have times for recreation, and the only recreation few more stitches, or drive a few more pegs a day, that suggested itself to the younger members of and buy what was needed in the family, in perfer-Mr. Russel's family, was some game, or a ride, or ence to working out doors for exercise, to raise it, hunting and fishing, or something of this sort. and to take their exercise in more agreeable ways. Home was a place to work, to eat, and to sleep in; But these agreeable ways were extremely apt to but they never thought of it as a place to enjoy cost money in some shape, or to lead to it, at least, themselves, and there was little in fact there attrac-A "quarter" or two every little while, and a dollar tive. Scarcely a newspaper was to be found there, now and then, were but trifles, and soon earned! and few books beside the Bible, psalm-book and the So it went to the end of the year, when it was found that there were not half the "shot in the locker" used in school. We say, "had been," for since the they expected to see there when the year began.

But it was quite otherwise in the family of Mr. some cause or other, there had been a good deal of Burton; each member of the family took a periodisickness in the family of late. In the winter they cal of some kind! so there were no less than four were some of them on the borders of a fever from weeklies and three monthlies. Among these were a "terrible cold," and in summer all sorts of com- some of the best agricultural and horticultural periplaints troubled them. But, notwithstanding all odicals published in the country, the rest were religious, political, or literary, and they were all read nearly see the bottom of his purse. But worse

tivated it just as they saw fit.

out a row of current bushes, red and white; and "How on earth can you afford to buy such things then they had a patch they cultivated in common, in these hard times?" inquired Mr. Russel. which were to be found cucumbers, early peas, beans, &c. Then each of the young folks had bought, we raised them!" whatever fancy or inclination dictated, and there was a generous rivalry between them as to which and the pears too!" should exhibit the most attractive territory. The "Certainly I do! I did not raise them myself, girls each planned her own "improvements," and the but Anna raised the white grapes on her arbor, and boys rendered all needed assistance in spading, Mary and Julia raised the purple ones on theirs, planting trees, or constructing arbors, or any thing and Luther and Calvin raised the pears and apples.' else that required their aid. Their gardens, of "Well," said Mr. Russel, "I'm going to beg one course, abounded mostly in flowers and shrubs, of each kind of the apples and of the pears and a though among these were to be seen strawberry bunch of each kind of grapes to carry home; and beds, in the most perfect condition, tomatoes, melas sure as spring opens again, and I'm a live man, ons, and a variety of other fruits. The "twins" I'll go back to my old business of farming!" went mostly into tree-fruits, as cherries, peaches, pears and apples. Calvin was mainly interested in cherries, plums and peaches, while Luther as assidulously cultivated pears,—dwarf and standard which the family were not fully supplied with fresh and apples; and there was not a day in the year in The apples were not gone from the bins in of "Fruit Culture" thus:the cellar, before strawberries, early cherries, &c., were abundant; then currents, gooseberries, rasp-portance of this comparatively new branch of the berries, early apples and pears came again, and so Agricultural, or rather Horticultural business. the delicious circle was seldom broken throughout the year. Owing to these ripe fruits to season their country, are carried on at Milton, Ulster country, alfood, diseases were seldom known in the family.

It was a pleasing sight to see the whole family ty. after supper, toward the close of day, enjoying This was happiness, simple, pure and ele-year. vated. It was considered almost a calamity to any member of the family to be away from home at tion of Nathaniel Hallock, at Milton, in order to such a time. None minded working hard during learn the modus operandi of the culture. Mr. Hal-

the day's work was done.

farmers," when every other interest seemed to pros- soon as the dew was off the plants, as the berries per. But there was a great change approaching; do not keep so well when picked wet. the knowing ones saw the indication before it was felt by the mass. The prices of provisions began to baskets of berries. These baskets hold about a rise, and in a short time the only class that seemed pint, and are very neat looking, being made of wil-to prosper was the farmer. The boot business fell low, and much superior to the baskets in which to the lowest ebb; little or nothing to be done, and strawberries are sold, in fact the berries would hardonly the most ruinous prices paid for labor, ruinous by sell, if sent to New York in strawberry baskets. to the laborer.

mer, when it was too late for such as had land to pert pickers of course. One person was employed He had sold off a part of his farm, but he had many in packing the baskets. The baskets, as soon as acres left. Winter came on with flour at twelve picked and examined, are packed into boxes of difdollars a barrel, corn one dollar fifty cents a bushel, ferent sizes, according to the crop of that day. The and potatoes a dollar and a quarter, and his cellar object of putting them into boxes is to ensure their and garret both empty, and work hardly to be had safe transit to the market, and in order to do this, if to be done for nothing. He had laid up some the packer has to work carefully to fit the baskets in money, but by the time spring opened he could so that each one braces the other; when the boxes

more or less by all the family. But the great feathan all this was the result of his "not being exposture of attraction and source of enjoyment to the ed to al sorts of weather," but of his being exposed family was the plat called "the garden," and it was to the confinement of a shop and to the bench. His worthy of its name. Each one had his or her disjourness system had become diseased, so that he was tinct part set off by metes and bounds, and each cul-scarce /y a day free from pain; and one of his sons had all the marks of a consumptive about him, and The mother had in her part the useful herbs, all the family were ailing most of the time. One pie-plant, asparagus and a row of gooseberries day during the winter Mr. Russel happened in to which a friend had sent her, of a choice kind. The his neighbor Burton's as they were just setting father paid attention mainly to the kitchen garden down to dinner, and beside the usual dishes found vegetables, onions, beets, carrots, early potatoes, on a farmer's table, there was a large dish of apples, &c., and around his own and Mrs. Burton's was set another of pears, and still another of grapes!

"Buy," responded Mr. Burton, "these were not

"What! you don't say you raised those grapes

"Well," said Mr. Russel, "I'm going to beg one

ANTWERP RASPBERRIES.

The Poughkeepsie (N. Y.) Eagle gives a very

But few persons are aware of the extent and im-

The most extensive operations in this part of the though the fruit is largely cultivated in this coun-

There are now about 100 acres of raspberries in themselves in the garden, admiring each others' pro- bearing in the immediate vicinity of Milton, and imductions, eating fruit and nursing some pet flower mense quantities of plants are being set out every

A few days ago we visited the raspberry plantathe day, for rest and recreation awaited them after lock's being one of the principal plantations.

The pickers were in the fields with their baskets They had struggled on through "hard times for between eight and nine o'clock in the morning, as

There were about fifty pickers at work, men, wo-This state of things began to be felt in mid-sum- men and children, the women being the most ex-Mr. Russel was caught with the rest, constantly, and a part of the time several persons, are filled to the top, the lid is closed and locked, and the boxes are ready for shipment.

The season lasts about six weeks, and this period. is one continual round of business, the berries being sent off to New York every night except Saturday, (there being no sale for them on Sunday.)

baskets making two very heavy horse loads, and as near as we could calculate, the steamboat took off baskets.

The baskets are imported from France by hundreds of thousands every year, and although such quantities are manufactured every year, the supply is inadequate to the demand, the latter exceeding the former by about one-half.

The culture of the plants requires the services of a large number of people.

The pickers constitute a small army, there being from five to ten, and often more required for each acre, according to the time in the season, which was at its height this year about the second week in July.

The manufacture of the boxes in which the baskets of berries are packed is no small item, and the steamboats that carry this extra freight are obliged to employ extra men to handle it.

This business, though at first view it seems small, gives employment to, and distributes its gains among thousands of persons.

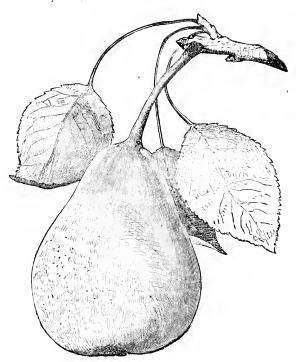
From the Milton landing, the average daily export is 10,000 baskets, and the retail price in New York averages about ten cents per basket; thus the product of 100 acres amounts to \$1,000 per day, or \$42,000 per season. We call to mind no other

erop which produces as much per acre, or which gives employment to so many.

Bulbous Roots.—The Magazine of Horticulture says, what is in common language termed a der, set with very little depression. Calvx open, bulbous root is by Linnaus termed the Hybernacle, but little sunk. Flesh juicy, a little coarse, but or Winter Lodge of the young plant. These bulbs, very melting, sweet and delicious, with a rich perin every respect, resemble buds, except in being produced under ground, and include the leaves and flower in miniature, which are to be expanded in the ensuing spring. By cautiously cutting, in the early spring, through the concentric coats of a tulip root, longitudinally from the top to the base, and taking them off successively, the whole flower of man says: the next summer's tulip is beautifully seen by the may be found, complete in all its parts.

THE ROSTIEZER PEAR.

We are happy to acknowledge our obligations to JAMES HYDE & SON, of Newton Centre, for the fruit from which our engraving was sketched.— When Downing wrote of it in 1845, it had not been The berries were all picked about six o'clock, and sufficiently proved to enable him to speak confidentafter supper they were conveyed to the landing, the ly of its merits; but we believe the Messrs. Hyde, and other cultivators, have found it to be an excelabout 60,000 baskets that night, making about 20 lent variety. It is a German pear, and was received tons of berries, exclusive of the weight of boxes and from the nursery of the brothers Baumann, of Balwiller, on the Rhine.



It bears abundantly. Fruit of medium size, oblong-pyriform. Skin a dull yellowish green, with a reddish-brown cheek, and whitish dots, light russet. Stalk very long, nearly two inches, irregular, slenfume. August and September.

AGRICULTURE THE PROPER CALLING.

A most sensible writer in the Country Gentle-

All other pursuits are proper in there places, but naked eye, with its petals, pistil and stamens; the when carried to too great an extent, produce poverflowers exist in other bulbs, in the same manner, ty, distress, and misery. The more agriculture is but the individual flowers of others being less, they pursued, the greater is the benefit to the human are not so easily dissected, or so conspicuous to the race. Here is a field for the philanthropist. Esnaked eye. In the buds of the Daphne Mezeron, tablish agriculture upon a good basis—the basis of and in those of the Hepatica, and at the base of the intelligence—and you will do much to close what Osmunda lumaria, a perfect plant of the future year are now flood-gates of misery to society. Our city poor, our merchant clerks, our emigrant-poor, and our country poor, all call for relief; and here alone

can it be obtained,—in intelligent husbandry. Ag-| ment, which is designated by a large sign raised riculture is the great moving power of human ex- over the stalls they occupy. istence, and as the human family increases we must sweat of our brow," becomes from our condition a the weather. matter of necessity; but in it we see the goodness and wisdom of our great law-giver, for "necessity best advantage, a fine track, forty feet wide and half is the mother of contrivance," we thus increase in a mile in length, has been prepared. It is of an intelligence, and intelligence promotes morality and oval form, with no sharp corners, and is rolled perhappiness. In the dim but yet brightening future, feetly smooth and hard. chold instead of cities over-crowded with humin life and ragged pauperism stalking abroad, the enty feet high, with a piazza running all round the whole face of nature one great Eden,—the sons of same on the ground line, making this floor twenty Adam all inheriting his estate. Agriculture exerts feet square, and two feet up from the ground; this an influence to equalize the distribution of wealth, will be occupied by the representatives of the press. which no law nor theory, nor any other pursuit, has Twelve feet above, is another floor, with a baleony or ever can accomplish.

THIRD EXHIBITION OF THE U.S. AGRICULTURAL SOCIETY.

The third annual Exhibition of the United States Agricultural Society opened in this city on Tuesday, the different stories. Oct. 23d, and continued through the week. The number of entries was very large, all the arrangements made with admirable taste and judgment, and the grounds were througed by thousands of admiring visitors.

GENERAL ARRANGEMENTS.

The Exhibition is held on a lot of about thirty pure Cochituate. acres, in the south part of the city, which is enclosed with a board fence ten feet high. The main en-The one which is nearest the main entrance is the trance is on Hurrison Avenue, opposite Franklin President's Reception Tent. Another tent is de-Square. As the visitor approaches the ground from voted to the reporters, and others are provided for Franklin Square, the first thing that attracts his at- the accommodation of ladies. Directly in the rear tention is the beautiful arch which spans this en-of these tents, and in the centre of the elipse, is trance, and which is supported by two noble towers "Wright's mammoth tent," beneath which the grand forty feet in height. Over these towers wave the agricultural banquet is to be held on Friday after-"Stars and Stripes." The arch bears the simple inscription, "U. S. AGRICULTURAL SOCIETY." On The tables will be spread for two thousand guests, either side of the entrance are the windows for the and there is no doubt that every plate will be occu-sale of tickets. There are twenty of these—so that pied. Among the eloquent men announced to be no delay need be apprehended in procuring tickets, present are Messrs. Everett, Choate and Winthrop Further south there is another entrance, over which of our own State, and others from all parts of the a plain arch has been erected. Visitors with tiekets Union. With favorable weather, this banquet will be will be admitted here also. Midway between these a magnificent affair. entrances, and opposite the judges' stand, is a wide gate, which will be opened at the conclusion of each pens, is another large tent, beneath which Mr. day's exhibition, to allow the multitude to retire Wright has provided tables and the other necessary from the grounds.

When within the enclosure the visitor will be to day. pleased with the excellent arrangement of the grounds. On the right of the main entrance are seats for ten thousand people. These seats are erected in the most substantial manner, and are caseats a fine view of the whole field can be obtained. On the left of the main entrance the stalls for horses commence, and they and the cattle stalls are continued round the entire enclosure, until they duck, and a scalloped fringe runs along the front. day. This covering and festooning gives to the stalls a very neat and pretty appearance. Each breed of horses and eattle is arranged in a distinct depart-learly hour, the visitors poured into the vast enclo-

The ranges for the sheep and swine are erected but cling the closer to our mother earth for sup-on the north-east corner of the lot. They are subport. Thus the mandate, "to earn our bread by the stantial pens, with roofs to protect the animals from

For the purpose of showing the horses to the

The Judges' stand is a large octagon tower, sevrunning round the same, four feet outside the floor, to be occupied by the Judges. Above this there is still another story, which will be occupied by The tower is arched on every side and story, and is handsomely ornamented with brackets, rustics, ballustrades, and with Λ merican flags, one of which surmounts it, and others are extended from

Just south of the tower is a music stand, made in the Gothie style. This is occupied by an excellent band of music.

Four water temples of the same style of architecture as the tower, are erected at different points of the green inside the race-track. At these the multitude will be enabled to slake their thirst with the

On the green, within the elipse, are several tents.

Across the track, and between that and the cattle paraphernalia for feeding the multitudes from day

On the easterly side of the enclosure, outside of the range of stalls, is a large wooden building, in which is the Executive Committee's room, which is furnished with sofas, lounges, &c. In the rear of pable of supporting a much greater weight than it this, is a large room in which are tables for each of will be possible to put upon them. From these the several committees to award premiums. In the centre are tables sufficiently large to dine three hundred persons at a time. Precisely at one o'clock each day, dinner will be on the table-and the offieers of the society, their invited guests, including reach the southerly end of the seats on Harrison the representatives of the Press on the ground, will Avenue. There are between six and seven hun-dine there. Mr. Wilder, the President of the Sodred of them. The stalls are all covered with white eiety, will officiate at the head of the table each

OPENING OF THE EXHIBITION.

The weather was fine on Tuesday, and at an

sure, and the score upon the outside and in the least we should class as good sized horses. It may streets leading to it exhibited an unusual amount of be a difficult point to decide just where the dividactivity. The arrangement of the various tents, ing line between a pony and a small horse lies the tracting course, accommodations for the public, but in regard to one half of those on the track this

sistants, appeared on the ground at an early hour, seemed to be the favorite of the spectators. The dressed in a neat gray uniform, with a style of hat company cheered him loudly, and in acknowledging of a comfort ble character, got up for the occasion, the compliment he put his heels higher than his creditable to the crowd who were present, to say, while he himself retired into the green. He was cive measures to keep them in good order.

cavalcade, when Mr. Wilder, the president of the ful bay ponies, attached to a light wagon, were drivthe chief marshel, and formed an exhibition which plished Superintendent of the Boston and Worcesthe close of this anniversary gathering. The cav- steeds finely and semed to enjoy the sport very alcade consisted of eighteen or twenty pairs of ele-much. gantly matched and beautiful horses, singly, in gigs and other carriages, and about eighty which were

EXHIBITION OF STALLIONS AND MARES.

speed. Those who took part in it were—North Speed. Those who took part in it were—North Speed. Those who took part in it were—North Speed. Those were brought upon the track, but James H. Chamberlain: Boston Boy, Adams Carburgh, Speed Hawk upon its appearing that they were to start in classes the following each other, the penter: Ethan Allen, O. S. Rowe; Black Hawk, of four each, immediately following each other, the J. E. Wayne; Stokbridge Morgin, John Bullard; parties dr wing for a choice, one of the horses was Brom Horse, Charles Boylsten: Black Hawk Chief, withdrawa. It was stated in the outset that no Edgar Hill: Morgan Hunter. The quickest time horse would be allowed to compete for a premium, made was 1.24, (distance one-half mile.) this was who had been trotted for money. The quickest made by Black Hawk Chief. Others made the time around the track twice, was made by the horse half mile in 1.25, 1.34 and 1.36.

ing mares, many of them with colts. Of these tory, the next heats, which were for the best two there were some twenty-five or thirty. Among out of three, were carried out by each class trotting there were some exercising of this out of times, were carried at the those that attracted attention were the Mary Morseparately. The result of this narrowed the control of the things of the paleonging to Mr. gan, of Limerick, Me., 9 years old, and the Jenny test down to the Vermont Boy, belonging to Mr. Lind, 9 years old, of Vergennes, Vt., the last of the Gilman, and the Lexington, owned by David Benja-Black Hawk breed. There were also many others min. The time of the Vermont Boy was 2.10 and

dingry character.

THE SOCIETY'S DINNER.

At precisely one o'clock a procession was formed tigation took place. at the President's tent, consisting of the officers of the Society and invited guests, and proceeded to the committee rooms, where an excellent and substantial dinner was in waiting, provided by Mr. Block Hawk broads. The Morgan Hunter, 5 years John Wright, enterer for the Society. This dinner Black Hawk breeds. The Morgan Hunter, 5 years is a most excellent feature of the Society's arrange-old, belonging to S. D. Barlow, Brandon, Vt., and ments—one peculiar to its itself, and one which evinces the liberality of its managers. Between Lerlain, Waltham, each weigh 1100 pounds; Nortwo and three hundred gentlemen availed them selves of the Society's hard three liberality of t selves of the Society's hospitulity. The dining hall pounds; Morrill, Bulrash, Morgan and Messenger, was ornamented with several beautiful paintings of the very selection of committees was called, and as far as possible the very selection of the vacancies were filled.

EXHIBITION OF PONIES.

The first exhibition after dinner was that of by N. E. Nims, 2400.

onies. A dozen or fifteen animals appeared under Russell, Harrington & Co. have a pair of grey Ponies. A dozen or fifteen animals appeared under

and for the large number of animals which were afternoon the committee can certainly have no hesentered, presented a fine appearance.

itation. There was one, a little black fellow about Gen. Tyler, the chief marshal, and a host of as- as large as a good sized New Foundland dog, which A large police force was also present, and it is highly head, and landed, his rider, a lad, that on, the track, that their beleavior was such as to require no coer- eaught and again mounted, but he was determined not to be ridden, and after dismounting his rider At ten o'clock the bugle sounded the call for the again he was lead off the track. A pair of beautisociety, announced the exhibition open, to continue en by a young gentleman two and a half years old, during the week. The cavalende was hended by a son of GENERY TWITCHELL, Esq., the accomno one should fail to witness at some time before ter Railroad. The young gentleman reined his

TRIAL OF SPEED.

The exhibition closed with a trial of speed, open ridden or led, including some ten or fifteeen colts. to all horses that have never trotted for money: exhibitors to drive, and to be persons who have never driven for money. Mile heats in harness, best At it o'clock a call was made for the stallions, three in five. The Judges were David Leavitt, of mares, Ne., (roadsters.) for exhibition and trial of speed.

These were driven round the track twice, Brown, of New York, Anson Livingston, of New York, The Proper First premium. the first time slowly, and the second time at full York, H. K. Libby, of Bangor. First premium,

John Smith, owned by John C. Smith, of New The next exhibition upon the track was of breed-Bedford. This mode of trial not proving satisfacwhich made a fine appearance, and some of an or- 2.36, but on account of some question relative to trotting heretofore on a wager, a decision upon the question of the claim was postponed until an inves-

A GLANCE AT THE STALLS AND PINS.

Among the choice horses it may be naturally pair of matched horses, belonging to Dr. O. S. Saunders, Boston, weigh 2100 pounds; a pair owned by Edward Seavey, Boston, 2268, and a pair

this head before the Judges—one half of which at draft horses weighing 2740, and a pair of white

horses weighing about 2600. These are among the vet. We are here, and we mean to have a good heavy horses. To mention all which are noticeatime and fair weather before we go through. This ble would require far more space than we have to announcement was received with much applause. use at this time.

the enclosure, and comprise choice specimens of Dur-beneath the Marshal's tent, where at intervals durham, Devon, Hereford, Jersey, Ayrshire and native ing the day they discoursed excellent music to a breeds. It would be difficult among so many fine select audience. animals to single out any without doing injustice to others.

Romeo, a fine-looking animal, belonging to Mr.

weighs 2190.

N. G. Giddings, Exeter, N. H., exhibits a yoke of working oxen, native breed, weighing 4200 lbs, stream of visitors began to pour into the enclosure, A pair of two year old Durham steers, D. W. and from present appearances there will be a vast Hunt, Wolfboro', N. H., exhibit a pair of fat native At an early hour the number of people on the cattle weighing 5000; W. S. Grant, Farmingdale, ground was estimated at over 10,000 a seven year old ox weighing 2200, and James Eddy, Swanzey Mass., a five year old weighing 2760 deferred until after the entree of the grand Truckpounds.

oxen on the ground.

ance. Of the first-named there are the native Sax- in an efficient manner by Peter Dunbar, assisted on, Silesian, Spanish and French Merinos, South by an active corps of assistants, and preceded by Down and middle wooled, and of swine, some very the Boston Brass Band. As they passed the cirfus speciment of the Suffell French and I all the control of the treatment of the suffer will be a suffer the suffer beginning and suffer beginning to the suffer beginning to the suffer beginning and suffer beginning to the suffer beginning t fine specimens of the Suffolk, Essex and Berkshire cuit of the track, their unique uniforms blended breeds.

SECOND DAY-WEDNESDAY.

combination to see how uncomfortable and dreary a time they could make for the second day of the great exhibition. The storm which commenced on Tuesday evening, continued almost uninterruptedly through the night, and through the entire day. The by the Society, and capable of accommodating rain fell in torrents, and at times the wind blew components, were completely filled. quite a smart gale. Under these circumstances the entire programme for the day was postponed. During the day there were no visitors on the ground crowd was also immense. It is probable that more except exhibitors and gentlemen serving on committees—and they were clothed in hig pea-jackets, noon. stout boots and inittens. A few of the more adventurous committee men made their examinations; but the most of them postponed this duty until day, very large. Early in the morning the track they could have more favorable weather. The own- was taken possession of by those who desired to ers of the animals on exhibition endeavored every exhibit their horses, and a most animating spectaway possible to shield their horses and cattle from cle ensued. At nine o'clock the working oxen were the storm, but in spite of all their efforts, some of marshaled in line opposite their quarters, for the them had a most uncomfortable day. About noon benefit of the Committee. This was a pleasing many of the best horses were removed from the sight. Their stalwart forms, fair proportions and ground.

During the forenoon, the officers of the society

the committees dined together. After dinner, Mr. lowed by the young stallions led by their grooms; Wilder, the President, briefly expressed his re-next came horses of all work, harnessed to carriages grets at the unpropitious state of the weather, of every description—gigs, sulkies, buggies and which rendered it necessary to postpone the pro-chaises; then followed the matched horses, fortygramme for the day. But he urged all to keep up eight in number, with coaches and fine carriages in

Bond's Cornet Band which was engaged for the The cattle on exhibition occupy a large space in day was on the ground, and took up their quarters

THIRD DAY-THURSDAY.

The third day of the Exhibition opened with fa-Morris, of Westchester Co., N. Y., a Durham, vorable prognostics. A keen wind which blew from weighs 2025 pounds. Kirkleavington, 23 years, the west, dispersed the rain-clouds that lowered so belonging to Paoli Lothrop, South Hadley Falls, dismally yesterday, and soon rendered the exhibitions of the control of the prognostics. tion grounds dry and comfortable.

As soon as the gates were opened, a continued Haynes, Readfield Me., weigh 3000. Leavitt & multitude in attendance upon the exhibition to-day.

The programme assigned for the morning was men's Cavalcade. About 10 o'clock this noble J. M. Drinkwater, of Cumberland, Me., has a array began to deploy upon the ground; and a beautiful grade oxen, six years old, weighing 4200 most magnificent sight it was! Dressed in neat lbs. A. G. Cole, Buckfield, Me., exhibits an excel- white frocks and dark pantaloons, and mounted lent pair of Curham steers, three years old, weight upon generally large and fine horses, the manly, 3150 lbs.; also a large pair of Durham oxen, six stalwart frames of the drivers showed to the best years old, weight 4000. B. V. French, Braintree, advantage. We never witnessed a finer body of and Hon. Josiah Quincy, Sen. have some excellent workingmen, and the turnout fully maintained the ancient character of Boston truckmen. They mus-The sheep and swine also make a good appear-tered by actual count 617 strong, were marshaled grandly with the general appearance of the thousands of spectators lining the sides throughout its The elements appeared to have entered into a entire extent. After having twice accomplished the circuit they retired.

> Judging from the crowds that are actually besieging the various entrances to the grounds, today's Exhibition must be pronounced most successful. At 12 o'clock, the ranges of seats provided 6000 persons, were completely filled.

> Around the large area of the race-track, the than 50,000 persons visited the exhibition this fore-

FOURTH DAY-FRIDAY.

The weather was fine, and the attendance, this honest countenances, were fine to behold.

At 10 o'clock a grand cavalcade came off upon and the committees met in the committee rooms, the course. This was a magnificent and imposing where the vacancies on the committees were filled. Spectacle. First came the marshals, in their gray This was a magnificent and imposing At one o'clock, the officers and their guests with uniforms, then the brood mares and their colts, folgood courage, and said he, we will come out right which were seated gentlemen and ladies; after

draft team consisting of four large and noble bay by the horse Romeo in two heats, of 2.57 and horses attached to a large wagon. The whole num- 2.58, White Mountain Morgan coming in seber of horses was one hundred and seventy-seven. could, Morgan Hunter being distanced in the first

the working oxen in the east section of the field, for his grace and activity.
which was witnessed by a large crowd. The oxen At three o'clock, the call for a trial of speed free were attached to a cart loaded with 6100 lbs, weight, to all horses and drivers, was responded to but by which they were required to draw forward several the horses Chicago Jack and Lady Litchfield. They rods, and also to back it to its original position. It were to run for the best three in five for \$300 for was done by some of them with great ease, by oth- the first prize and \$100 for the second. The first ers indifferently, and by others not at all. The far- two heats were won by Chicago Jack in 2.36 and mers especially took much interest in this part of 2.33; the last two by the Lady Litchfield in 2.37 the proceedings.

After this the celebrated Drum Corps from New of a Major, who without a word of command, but He made the time in 2.50. Other trots of interest with a slight motion of the hand or head, made his also took place. order manifest. It was surprising to see the trainaway into a delicate pianisimo. The audience were postponed the auction sale of horses to Monday. highly gratified at the performance.

the ground east of the Pavilion. This was attrac-from one hundred and fifty to one hundred and tive, and afforded much gratification to those who seventy-five thousand. could not, from the press of the crowd, obtain a

good view of the trotting.

tent, passing as they entered beneath an arch infund for the promotion of the objects of the Soscribed "Success to Agriculture." The tables ciety. were spread for over two thousand people, and nearly every plate was occupied. A blessing was asked by Rev. S. K. Lathrop, D. D., and after the asked by Rev. S. K. Lathrop, D. D., and after the feast, thanks were returned by Rev. E. N. Kirk, D. D. President Wilder presided, with his accustomed urbanity, and announced the regular sentiments, which were eloquently responded to by the following gentlemen:—Gov. Gardner, Mayor Smith Gov. Hoppin, of R. I., Daniel Landreth and Morton McMichael, of Philadelphia, John C. Gray, R. C. Winthrop, Edward Everett, Col. Thompson, of Canada West, and J. A. King, of New York. The premiums were then announced, by W. S. King, Secretary of the Society.

Herefords—Ist premium, \$100, V. J. Becar, Smithown, L. I. 23l, diploma, Morris & Becar, Fordham, N. Y.; 3d, diploma, Paoli Lathrop, South Hadley, Mass.

Boroms—Ist premium, \$100, to N. J. Becar, Smithown, L. I.; 23l, diploma, Morris & Becar, Fordham, N. Y.; 3d, diploma, Paoli Lathrop, South Hadley, Mass.

Boroms—Ist premium, \$100, to N. J. Becar, Smithown, L. I.; 23l, diploma, Morris & Becar, Fordham, N. Y.; 3d, diploma, Paoli Lathrop, South Hadley, Mass.

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Boroms—Ist premium, \$100, to N. J. Becar, Smithown, L. I.; 23l, diploma, Morris & Becar, Fordham, N. Y.; 3d, diploma, Morris & Becar, Fordham, N. Y.; 3d, diploma, Mass.

Boroms—Ist premium, \$100, to N. J. Becar, Smithown, L. I.; 23l, diploma, Morris & Becar, Fordham, Secretary of the Society.

FIFTH DAY—SATURDAY.

The fair weather of Saturday brought a large, ingston, "Paoli Lattrop, South Hadley, Mass. 34, diplema, crowd of people to witness the closing performances, "Duke." Calvin Sandord, Barre, Mass. 34, diplema, the great attraction of which was the trotting and support of the property the great attraction of which was the trotting ear, Smithtown, L. L.; 2d, \$25, "Sir Robert Peel," B. DeWolf, matches, particularly that for the prize of three Bristol, R. I. Bulls one year old—1-t premium, \$25, "Warwick," Samuel hundred dollars. Four horses started for the race —Ethan Allen, Stockbrige Chief, North and Col-Leland, New Roschelte, N. Y.; 2d, \$10, "Farnky," Simeon Leland, New Roschelte, N. Y.; 3l, diploma, "Echo of Oxford," unbus. The Chief was soon distanced and with-N. J. Becar, Smithtown, L. L. Durham Caws and Heyters—Cors Ricce years old and updrawn. Ethan Allen won the first heat in 2.344, "wards—1st premium, \$100, to "Fris," Morris & Becar, Ford-the driver was Mr. Daniel Mace, of Cambridge, ham, N. Y.; 2d premium, \$50, "Bloom," L. G. Morris, Ford-ham, N. Y.; 3d, diploma, "Maid of Oxford," N. J. Becar, Smithtown, L. L. Bullson, "Maid of Oxford," N. J. Becar, Smithtown, L. L. 2d premium, \$100, to "Fris," Morris & Becar, Ford-ham, N. Y.; 3d, diploma, "Maid of Oxford," N. J. Becar, Smithtown, L. L. 2d premium, \$100, to "Fris," Morris & Becar, Ford-ham, N. Y.; 3d, diploma, "Maid of Oxford," N. J. Becar, Smithtown, L. L. 2d premium, \$100, to "Fris," Morris & Becar, Ford-ham, N. Y.; 3d, diploma, "Maid of Oxford," N. J. Becar, Smithtown, L. L. 2d, premium, \$100, to "Fris," Morris & Becar, Ford-ham, N. Y.; 3d, diploma, "Maid of Oxford," N. J. Becar, Smithtown, L. L. 2d premium, \$100, to "Fris," Morris & Becar, Ford-ham, N. Y.; 3d, diploma, "Maid of Oxford," N. J. Becar, Smithtown, L. L. 2d premium, \$100, to "Fris," Morris & Becar, Ford-ham, N. Y.; 3d, diploma, "Maid of Oxford," N. J. Becar, Smithtown, L. L. 2d premium, \$100, to "Fris," Morris & Becar, Ford-ham, N. Y.; 3d, diploma, "Maid of Oxford," N. J. Becar, Smithtown, L. L. 2d premium, \$100, to "Fris," Morris & Becar, Ford-ham, N. Y.; 3d, diploma, "Maid of Oxford," N. J. Becar, Smithtown, L. L. 2d premium, \$100, to "Fris," Morris & Becar, Ford-ham, N. Y.; 3d, diploma, "Maid of Oxford," N. J. Becar, Smithtown, L. L. 2d premium, \$100, to "Fris," Mo

these came the trotters, followed by a splendid five years old and under, and the premium was won At eleven o'clock there was a drawing match by heat. The White Mountain colt was much admired

and 2.36. On the last heat she came in first, in At 11 o'clock there was a grand trial of speed on 2.38, but lost the race by the decision of the judges, the part of fancy matched horses. The trial was in who counted a habit she had of breaking, against her. Other favorite matches were also run.

Albert Golder, of Watertown, Me., a lad of twelve York appeared upon the course in front of the years, rode around the course on horseback, and Judges' stand; they number sixteen, under the head won much applause by his admirable horsemanship.

Owing to the great attraction on the track, but ing of the corps, so prompt and decisive; now they few persons attended the auction sale of stock by swell out a roll of thunder, then allowed it to die Mr. Hatch. He sold some \$1100 worth, and then

The number in attendance during the several At one o'clock a trial of draft horses was had on days of the exhibition could not have been less than

The receipts of the Society from all sources are from \$32,000 to \$35,000. This will undoubtedly The great feature of the day, the BANQUET, took pay all the premiums awarded by the committees, place at two o'clock, beneath John Wright's big all the expenses, which must be very heavy, as tent, which was creeted in the centre of the ellipse. every one will conceive who has seen the magnitude The procession was formed at the President's tent and beauty of the arrangements; and we hope will a few moments before two, and marched to the big leave a good sum as the nucleus of a permanent

PREMIUMS.

CLASS NO. 1-CATTLE. HERD PREMIUMS.

No. 2-DURHAM BULLS.

should have been awarded to "Victorine," owned by the same parties, but there being no competition, this could not be done. The committee would also speak in the highest terms of a very superior heifer calf "Grace," owned by Morris & Bean, of Fordham, N. Y., but the premium list offered no premium on

No. 3-Devon Bulls.

Bulls three years old and upwards—1st premium, \$100, "Winchester," J. W. DeForest, Dover, N. Y.; 2d, diploma, "Frank Quartly," L. G. Morris, Fordham, N. Y. Bulls two years old and under three years—1st premium, \$50, "Blucher," W. R. Sanford, Orwell Vt; 2d premium, \$25, Harvey Dodge, Sutton, Mass.; 3d, diploma, B. V. French, Brainton, Mass.

Bills one year old ond under two years—1st premium, \$25, "Tecumsch," E. G. Faile, West Farms, N. Y.; 24, \$10, Wm. Buckminster, Framingham, Mass.; 3d, diploma, W. R. Sanford, Orwell, Vt.

DEVON COWS AND HEIFERS.

Three years old and approach—1st premium, \$100, E. G. Faile, West Farms, N. Y.; 2d, diploma, L. G. Morris, Fordham, N. Y.; 3d, diploma, C. S. Waimwright, Rhinebeck, N. Y.; discretionary diplomas, L. G. Morris, Fordham, N. Y., and C. S. Wainwright, Rhinebeck, N. Y.

wright, Rhinebeck, N. V.

Two years old under three years—1st premium, \$50, E. G.
Faile, West Farms, N. Y.; 2d, diploma, \$25, C. S. Wainswright, Rhinebeck, N.Y.; 3d, diploma, W. R. Sanford, Orwell,
Vt.; discretionary diplomas, John C. Morse, Francistown,
N. H., and Joseph Burnett, Southboro', Mass.

One year old and nader two years—1st premium, \$25, E. G.
Faile, West Farms, N. Y.; 2d premium, \$10, C. S. Wainwright,
Rhinebeck, N. Y.; discretionary diplomas, two to B. V. French,
Braintree, Mass., and one to John G. Morse, Francistown,
V. H.

Calres-Piscretionary premium, \$25, J. T. Andrew, West Cornwall, Ct.

No. 4-Aveshire Bulls.

Bulls three years add and upwards—1st premium, \$100 to "Kelburn," owned by Hangerford, Brodie & Converse, Ellisburg, N. V.; 2d, \$50, "Major," owned by G. W. Barrett.
Bulls too years old—None presented worthy of a premium, although three were exhibited to the Committee, and the same work of which the presented worth of the same way to go the same when the same way to be sufficient to the committee.

may be said of the yearling bulls of this class.

No. 5 .- HEREFORD BULLS.

Balls three years old and upwards—1st premium, \$100, Daniel Goodell, Brattleboro', Vt. ; 2d, William H. Sotham, Owego,

HEREFORD COWS AND HEIFERS.

These years old—1st premium, \$100, "Milton," State Farm, Westhoro', Ma-s.; 21, \$50, "Milton" William H. Sotham, Owego, N. V.; 3d, diploma, C. B. Clarke, Concord, Mass. Two years old—1st premium, C. B. Clarke, \$50, Concord, Mass.; 2d premium, \$25, Wm. H. Sotham, Owego, N. Y. One year old—1st premium, \$25, Wm. H. Sotham, Owego, N. Y.

No. 6-JERSEY BULLS.

Bulls three years old and over-1st premium, \$100, Thos. Mot-

Butts there years old and over—1st premium, \$100, Thos. Motley, Jr., of Mass.

Bulls two years old—1st premium, \$50, Joseph Burnett,
Southboro', Mass.; 2d, \$25, R. S. Rogers, Salem, Mass.

Bulls one year old—1st premium, \$23, John Washburn,
Swampsent, Mass.; 2d, \$10, to Thomas Motley, Jr., Mass.; 3d,
diploma, W. A. Harris, Mass.

JERSET COWS AND HEIPERS.

Cors three years old and upwards—1st premium, \$100, "Rose," G. H. French, Andover Mass.; 2d, \$50, "Dapline," S. Henshaw, Brookline, Mass.; 3d, diploma, "Flirt," Thomas

A. D. Weld, Roxbury, Mass.; 2d, \$25, J. W. Hollis, Brighton, Mass.; 3d, diploma, Wm. Spencer, Lowell, Mass.

Cores one year old and under theo years—1st premium, \$25, W. H. Watson, Princeton, Mass.; 2d, \$10, C. H. Keith, Malden, Mass.; 3d, diploma, Henry Sheldon, Cayuga County, N. Y.

The committee recommend a gratuity of \$-0 to Samuel Jaques, of Somerville, Mass., for his cow and calf, but, on account of considering the cow pure blood rather than gade, they were mable to include it in the latter class, and award it a premium as such were unable to
premium as such.

Native Cows and Heipers.

Under two years old-1st premium, \$25, A. W. Copeland, Dorchester.

No. 9-Miles Cows

No. 9—MIRT COWS

Cows fire years old and generals—1st premium, \$100, W. W. Watson, Princeton, Mass.; 2d, \$75, "Nonesuch," 9avis & Flint, Boston; 3d, \$50, A. M. Carleton, Chicopec, Mass.; 4di, "Fanny," C. M. Hovey, Cambridge, Mass.

Cows three years old and under fire years—1st premium, \$75, "Fanny," Wm. Eames, Wercester, Mass.; 2d, \$50, "Dinah," Asa G. Sheklon, Wilmington; 3d, \$25, "Nonesuch," Asa G. Sheklon, Wilmington; 4th, \$15, O. Howland, Adburn, N. Y.

No. 10-Working Oxen.

1st premium, \$100, J. M. Drinkwater, Cumberland, Me.; 2.1, \$50, Nathaniel G. Giddings, Exeter, N. H.; 3d, \$25, Oliver Newman, Carthage, Me.; Discretionary premium, \$5, E. Johnson, Auburn, N. Y.

The committee recommend the following:

The committee recommend the following:
Gratadies—\$20, Simon Carpenter, Charlton; \$15, Stephen
A. Cobarn, Lowell; \$15, H. Sheldon, Cayuga, county, N. Y.;
\$10, C. H. & C. A. Smith, Vergennes, Vt.; \$10, G. H. Shaw,
Brookline; \$10, Addison G. Cole, Buckfeld; \$5, John B.
Newcombe, Norton; and diplomas to Nathan B. Keade, of
Princeton, for best trained on exhibition; Hon. Josiah Quincy, for fine Devons; Hon. B. V. French, of Braintree, Wm.
E. Wheeler, of Grafton, Harvey Dodge, of Sutton, William
Buckminster, of Framingham, J. B. Moore, of Concord, Jas.
Lawrence, of Groton; George Harvey, of Marlboro', G. K.
Wrighi, of Keene, N. H., J. C. Samborn, of Westboro', Moses
D. Bichardson, of Lominster, Larned Swallow, of Buckfeld; Atribure Cows and Heifers.

**Cars three years old and upwards—1st premium, \$100, "Marboro', G. K. Ty Grey," Hongerford, Brodie & Converse, Ellisburg, N. Y.; 21 premium, \$50, "Jessie" Robbins Battell, Norfolk, Ct.; 3d, diplona, "Alice," John Brooks, Princeton, Mass.

**Heefers two years old—1st premium, \$50, "Lady Ayr," Hungerford, Brodie & Converse, Ellisburg, N. Y.; 2d premium, \$25, "Jessie 24," R. Battell, Norfolk, Ct.; 3d, diplona, "Hungerford, Brodie & Converse, Ellisburg, N. Y.; 2d premium, \$25, "Jessie 24," R. Battell, Norfolk, Ct.; 3d, diplona, "Hungerford, Brodie & Converse, of Ellisburg, N. Y., Heefers one year old—Messes. Hungerford, Brodie & Converse, of Ellisburg, N. Y., exhibited two very fine animals under this head, but the Committee under the rules of the Society, there being no competition, awarded the first premium only \$25 to Bellow, S. Y., exhibited two.

No. 5.—Hereford Brules.

**Lawrence, of Gorton; George Harvey, of Marlhoro', G. K. Wirghi, of Keene. N. H., J. C. Sanborn, of Westhoro', Moses Unitarity, and the Gordinate, N. Y.; 2d premium, \$50, to Rayhdum, No. 11—Steers.

1st premium, \$50, D. W. Haynes, Readfield, Me.; 2d, \$25, A. M. Winslow, Patney, Vt.; 2d, \$15, A. G. Cole, Readfield, Me.; Discretionary, \$10, Ellisburg, N. Y.; 2d, \$25, J. Me.; Discretionary, \$10, Ellisburg, N. Y.; 2d, \$25, J. Me.; Discretionary, \$10, Ellisburg, N. Y.; 2d, \$25, J. Me.; Discretionary, \$10, Ellisburg, N. Y.; 2d, \$25, J. Me.; Discretionary, \$10, Ellisburg, N. Y.; 2d, \$25, J. Me.; Discretionary, \$10, Ellisburg, N. Y.; 2d, \$25, J. Me.; Discretionary, \$10, Ellisburg, N. Y.; 2d, \$25, J. Me.; Discretionary, \$10, Ellisburg, N. Y.; 2d, \$25, J. Me.; Discretionary, \$10, Ellisburg, N. Y.; 2d, \$25, J. Me.; Discretionary, \$10, Ellisburg, N. Y.; 2d, \$25, J. Me.; Discretionary, \$10, Ellisburg, N. Y.; 2d, \$25, J. Me.; Discretionary, \$10, Ellisburg, N. Y.; 2d, \$25, J. Me.; Discretionary, \$10, Ellisburg, N. Y.; 2d, \$25, J. Me.; Discretionary, \$10, Ellisburg, N. Y.; 2d, \$25, J. Me.; Discretionary, \$10, Ellisburg, N. Y.

Full Cors—1st premum, \$50, to E. Munson, Anburn, N. 1; 2d, \$25, E. Sheldon, Cayuga Co, N. Y. Ed Shers—Discretionary—1st premium, \$50, to E. Manson, Anburn, N. Y.; 2d, \$25, E. Sheldon, Cayuga Co., N. Y.; 3d, H. Sheldon, Cayuga Co., N. Y.

CLASS H-HORSES.

No. 13-THOROUGH BRED HORSES AND MARES.

Mo. 10—110ROUGH BRED HORSES AND MARES.

Mallons:—1st premium, \$200, "Trustee;" M. De Motte, New York; 24, \$50, "Clogan," J. B. Monott, New York; 24, \$50, "Matchless," Wm. B. DeWolf, Bristol, R. I.; 4th, diploma, "Tricolor," Frederick Boyden, Topsfield.

Mares:—1st premium, \$150, "Fashion," L. G. & F. Morris, Fordham, N. Y.; discretionary premium, "Etiquette;" L. G. & F. Morris, Fordham, N. Y.; do., "A La Mode," L. G. & F. Morris, Fordham, N. Y.

No. 14-Stallions and Mares (Roadsters.)

Stallians—1-t premium, \$200, "Ethan Allen," O. S. Roe & Co., Cambridge, Mass.; 2d, \$100, "North Horse," Lemuel North; 31, diploma, "Boston Boy," A. Carpenter, Providence, R. I

Marcs—1st premium, \$150, "Pet," W. P. Balch, Boston, Mass.; 2d, \$100, "Lady Johnson," S. K. Johnson, North An-

No. 15-STALLIONS OF GENERAL USE.

No. 15—STALLIONS OF GENERAL USE.
Henhaw, Brookline, Mass.; 3d, diploma, "Flirt," Thomas Mothey, West Roylary, Mass.

Heifers then poors old—1st premium \$50, "Duchess," S. R. Spalding; 2d, \$25, "Propsy," G. H. French, Andover, Mass.; 3d, diploma, "Roylard," R. P. Waters, Beverly, Mass.

Heifers one year old—1st premium, C. L. Cunningham, Miller, Mass.; 2d, "Bess," O. H. French, Andover Mass.; 3d, "Buttercup," W. B. Breon, Jamaica, Plain, Mass.

No. 7—Grade Cows.

Coars three years old and upwards—1st premium, \$100, "Beauty," Geo. M. Barrett, Concord, Mass.; 2d, \$50, "Genutine," State of Maine," J. Moody, Linconville, Mc.; "Correction," State of Maine," J. Moody, Linconville, Mc.; "Correction, Cayanga County, N. Y.

Cows two years old and under three years—1st premium, \$50, South Malden.

No. 16-STALLIONS FOR GENERAL USE.

Three years old and under four years—1st premium, \$150, "Nonpareil," Jas. F. Thorndike, New England Village; 24, \$75, "Iron Duke," Timothy F. Jackson, Jamaica, L. I. The committee not being able to discern any appreciable difference between the horses, "White Mountain," belonging to S. H. Edgerly, of Manchester, N. H., and "Andrew Jackson," belonging to Harrison Bacon, of Barre, Mass., recommend that a premium of \$50 should be given to each.

[The chairman of the committee, in a note appended to his report, states that in a subsequent examination be found that

report, states that in a subsequent examination he found that "Iron Duke" was unsound, and therefore he recommends that "White Mountain" receive the second premium. The Executive Committee will decide the matter.]

No. 17-Stallions.

Two years o'd and under three years—First premium \$50, "Leather Stocking," S. & D. Leavitt, Jr., Great Barrington, Mass.; 2d, \$20, "Silver Clond," T. Jackson, Jamaica, Long Island; 3d, \$15, R. S. Demy, Clappville, Mass.; 4th, diploma James F. Thorndike, New England Village, Mass.

One year old and under two years—First premium, \$30, "Flying Send," F. W. Mott, Manhassett, L. L.; 2d, \$20, "King Philip," J. B. DeWolf, Eristol, L. L.; 3d, diploma, "Young Trustee," 2, D. I. Show, Patterson X. J.

Trustee, 2 D. H. Shaw, Patterson, N. J.

BREEDING MARES AND FILLIES.

Morres three years old-1st premium, \$150, "Jenny Lind," C. W. Sherman, Vergennes, Vt.; 2d, §100, "Lady Sutton," 6, H. Shaw, Brookline, Mass.; 3d, 50, "Massachusetts Maid," R. S. Denny, Clappville; 4th, diploma, "Sally Jenkins," Harrison Bacon, Barre.

Thomas Goddard, Boston.

Filles one year old—1st premium, \$30, "Wild Maggie," E. S. Stowell, Cornwall, Vt.

S. Stowen, Cornwall, Vt.

The committee recommend the sum of \$140 set apart for Filling but not used in that department, with such additional sums lam, X. V.; 21, \$15, D. B. Haight, Dover Plains, X. V.

Ewes under two years—1st premium, \$20, L. G. Morris, Ford-testimonials of merit to the following parties, the examination of whose superior mares has been a source of much gratificated by the sum of whose superior mares has been a source of much gratificated by the sum of whose superior mares has been a source of much gratificated by the sum of \$140 set apart for Fill Ewes oreget two years—1st premium, \$25, L. G. Morris, Ford-testimonials of merit to the following parties, the examination of whose superior mares has been a source of much gratificated by the sum of \$140 set apart for Fill Ewes oreget two years—1st premium, \$25, L. G. Morris, Ford-testimonials of merit to the following parties, the examination of whose superior mares has been a source of much gratificated by the sum of \$140 set apart for Fill Ewes oreget two years—1st premium, \$25, L. G. Morris, Ford-testimonials of merit to the following parties, the examination of whose superior mares has been a source of much gratificated by the sum of \$140 set apart for Fill Ewes oreget two years—1st premium, \$25, L. G. Morris, Ford-testimonials of merit to the following parties, the examination of whose superior mares has been a source of much gratificated by the sum of \$140 set apart for Fill Ewes oreget two years—1st premium, \$25, L. G. Morris, Ford-testimonials of the sum of \$140 set apart for Fill Ewes or \$150 set apart for \$150 se

tion to your committee tion to your committee; "Kate," belonging to Arthur W. Austin, West Roxbury; "Kate Hayes," Samuel Wheat, Putney, Vt.; "May Flower," John Ducan, Somerville; "Fanny Morgan," Henry Olmstead, East Hartford, Ct.; "Julia," J. F. DeWolf, Bristol, R. L; "Leaping Fawn," S. W. Ellis, Providence, R. l.

No. 19-Matched Horses.

First premium, §100, David Saunderson, Somerville, Mass.; 2d. §75, Joseph Wright, Waterloo, N. Y.; 3d, §50, H. M. Pet-tigrew; 4th, §25, Horace Sarget, Springfield, Mass. The committee would also recommend the following gratui-

The committee would also recommend the following gratuities: J. Ramdall, Boston, Mass., \$20; D. Leavitt, Great Barrington, Mass., \$15; J. G. Bates, Boston, \$30; diploma, each to Geo. P. Red, Roxbury, N. E. Nimus, Boston, Samuel Twitchel, Jr., Butlalo, N. V.

No. 20-Fancy Marched Horses.

First premium, \$75, J. L. Mitchell, of Albany.

No. 201-Postes.

Matched ponies-The committee considering none of the entries under this class to be true ponies, awarded the first preminm of \$25 to a pair of pretty little horses or Canadian ponies owned by F. Lyon, Niagara Falls.

poniss-1st premium, \$20, Frank Dale, Boston, Single Mass.

Discretionary premium—To a Grade Pony or small Horse, owned by J. Willie Boyd, of Boston, \$10.

No. 21-Family Horses.

1st premium, \$100, to the horse "Chillord," five years old, rst premaint, \$100, to the more "a mord," have years old, owned by Mr. E. Boynton, laxington; 3d, \$30, to "Frank Pherce," owned by G. N. Holmes, of North Bridgewater; 4th, \$25, to the horse "Black Harriet," owned by W. K. Rhodes, of Providence, R. L.

Providence, R. I.

The committee recommend to the four following horses the sum of \$20 each;—"Lady Kate," owned by J. S. Williamson, of Dover Hill, N. J.; "Messenger," owned by Stephen White, of North Cambridge; "Morgan and Messenger," owned by M. C. Kenny, of Cambridge; "Bramo," owned by T. H. Leavitt, of Boston. Also to the four following gentlemen the sum of \$10 each; G. H. Abrams, Chelsea, Mass.; R. M. Abbe, of Enfield, Ct.; B. M. Dunt, of Beadfield, Me.; R. Shurtleff, of Bellows Falls, Yt.

No. 22—DEAFT HORSES.

No. 22-Draft Horses.

1st premium, \$100, Russell, Harrington & Co., Boston,

Ass.; 24, 850, East Boston Sugar Refinery; 3d, 825, Page & Nayes, Boston, Mass.

Single Draft Horses—1st premium, \$50, Robert Cowdin, Boston; 21, 825, Caleb Thurston, Boston; 3d, diploma, Hubbard Pierce, Boston.

Massardmany remainas—To M. W. Goodell & Co., of Boston.

Discretionary premiums—To M. W. Goodell & Co., of Boston, \$25; Edward Harris, of Morristown, N. J., \$25.

No. 23-Trotting Horses on Tuesday

1st premium, 8200, "Vermont Boy," E. H. & F. Gilman, Montpelier, Vt.; 2d, 8100, "Ripron," Mr. Barnard, Boston. In regard to the "John Smith" horse and the "Benjamin" premium, 815, I. & J. Stickney, Watertown, Mass.; 21

horse, the committee were satisfied that these horses have trotted for money on a public track and for an advertised purse, the proofs of which will be laid before the Society if necessary.

TROTTING HORSES THAT HAVE NEVER TROTTED FOR MONEY, ON THURSDAY.

1st premium, \$200, "Genesee," Anson Livingston, New York City; 2d, \$100 "Kate Miller," Daniel Mace, Boston, Mass.

No. 21-Trotting Match on Saturday.

1st premium \$300, to Chicago Jack, entered by John Baniels; 2d, \$100, to Lady Litchfield, entered by Paniel Mace.

CLASS III-SHEEP

No. 25-Long Wool Sheep,

No. 25—Love Wood, Shelp,

Buck, two years old and over—1st premium, \$25, Hangerford, Brome & Converse, Ellisburg, N. V.; 24, \$45, to the same, 3d, diploma, J. T. Andrew, West Cornwall, Ct.

Bucks under two years old—1st premium, \$20, D. B. Haight, Dover Plains, N. V.; 24, \$45 to the same; 5d, diploma, to Goo. Fox, New Ipswich, N. H.

Ewes, under two years—1st premium, \$20, Hungerford, Brodie & Converse, Ellisburg, N. V.; discretionary premiums, \$15, for three wethers, to John T. Andrew, W. Cornwall, Ct.; \$8, or a diploma, at owner's option, for two year old buck, to D. B. Haight, Dover Plains, N. Y.; \$5, or a diploma, at owner's option, for two year old buck, Albert Kelley, Auburn, Mass.

No. 26-Medice Wool Shere,

Denny, Clappoille; 4th, diploma, "Sally Jenkins," Harson Bacon, Barre, Son Bacon, Barre, Fallows Barre, Edward Barre, Fallows Godden Barre, Fallows Godden Barre, Fallows Godden Barre, Fallows of Fallows, and Fallows of Fallows of Fallows, and Fallows of Fallows of Fallows, and Fallows of Fallows, and Fa

Gratudies—\$15, for a pen of four backs, Geo. Campbell, Westminster, Vt.; \$15, for a pen of five ewes to the same.

No. 28-SILESIAN MERINOS.

Bucks two years old and over—1st premium, \$25, Chamberlain, Campbell & Ladd, Redbrook, X. Y.

Bucks under two years—1st premium, \$20, to the same,

Eucs two years ald and over—1st premium, \$25, to the same.

Ewes under two years—1st premium, \$20, to the same.

by one person in part with different partners in each lot, and leave it to the Executive Committee to decide whether this disjonalities the Sheep from taking more than one premium, and that if the latter is the case, they would award them only the first premium.

If there was no partnership connection they would award the

following premiums.

Bucks two years old and upwards—1st premium, \$25, Chamberlain & Campbell, Redbrook, N. V.; 24, \$15, Campbell &

Chamberlain, Rutland, Vt.

| Bucks under two years—1st premium, §39, Campbell & Chamberlain, Rutland, Vt.; 2d, §10, Chamberlain & Campbell,

Redbrook, N. V. Ewes over two years—1st premium, \$25, Campbell & Chamberlain, Rutland, Vt.; 2d, not awarded.

No. 30-Saxony Shelp.

Bucks two years old and upwards—1st premium, §25, Geo. Campbell, Westminster, Vt.; 24, §15, W. R. Sanford, Orwell,

Bucks under two years—1st premium, \$25, W. B. Sanford, Orwell, Vt.; 2d, \$10, George Campbell, Westminster, Vt. Ewes two years old and upwards—1st premium, \$25, W.

R. Sanford, Orwell, Vt.

Eures under two years—1st premium, \$20, W. R. Sanford Orwell, Vt.

No. 31-SUIFOLK SWINE.

No. 31—SUFFOR SWINE.

Boars two years old and upmards—1st premium, \$25, I, & J. Stickney, Watertown, Mass.; 24, 845, B. V. French, Braintree, Mass.; 34, diploma, Lonsdale county, Smithichl, R. I. Boars one your old and over—1st premium, \$20, Joseph Kittredge, North Andover; 24, \$40, G. W. Walson, Madden, Mass.; 34, Diploma, Abner Heven, Framineham, Mass. Sours from years old and over—1st premium, \$20, I, & J. Stickney, Watertown, Mass.; 24, \$15, I, & J. Stickney, Watertown, Mass.; 34, diploma, Joseph Kittredge, North Vad-ver, Was., Nows one year old and under tray years—1st premium, \$20, I, & J. & J. Stickney, Watertown, Mass.; 24 premium, \$21, Abner Haven, Framingham, Mass.

Haven, Framingham, Mass.

Discretionary premium, to G. W. Hildreth, of Greenfield-stomach with starch. One and three-fourths pounds Mass., for litter of Figs. \$10; to James A. Stearns, of Manches, of bread, and three ounces of cheese, would produce Mass., for fine Boar, \$10; to G. W. Hildreth, of Greenfield, of bread, and three ounces of cheese, would produce Mass., for fine Boar, \$10; to B. V. French, of Braintree, Mass., the same amount of mitrogen, without overloading for fine Sow, \$10.

No. 32-Essex Boars.

Boars two years old and upwards—1st premium to L. G. Morris, New York, for Fisher Hobbs, \$25; 2d, C. A. Stetson, New York, \$15.

3d, to L. G. Morris, diploma.

Essex Pegs—C. B. Clark, Concord, Mass., \$15; also a diplomato the Sow Beauty, owned by George Bacon, of Brookline,

No. 33-Boars of Other Breeds.

Two years old and upwards—The committee being unable to decide on the respective merits of the Berkshire and Yorkto tree all of the Percent of the Forest tree in the British and the British and British and British and Upwards—Ist premium on each breed, viz.:

On Boars two years old and upwards—Ist premium, \$25, Yorkshire boar, Hungerford, Brodie & Converse, Ellisburg, N. als of eloquence—you may cause it to take a like N. Y.; 2d, \$15, Berkshire Boar, L. G. Morris, Fordham, N. Y.

Boars one year old—Only one entry was made under this class, and the committee therefore award the 2d premium, \$10, Berkshire Boar, L. G. Morris, Fordham, N. Y.

Tartot a N. Y.; 2d, \$15, Berkshire Boar, L. G. Morris, Fordham, N. Y.

Boars one year old—Only one entry was made under this class, and the committee therefore award the 2d premium, \$10, Berkshire Boar, L. G. Morris, Fordham, N. Y.

No. 34-Sows of other Breeds.

Two years old and upwards—1st premium, \$25, Joseph Tuttle, Dorchester, Mass.; 2d, \$15, Charles R. Damon, Cochitate; discretionary premium, \$10, J. A. Stearns, Manchester,

One year old and under two-1st premium, \$20, Joseph Tuttle, Dorchester, Mass.; 2d, \$10, L. G. Morris, Fordham. N. Y. No. 35-Pigs of other Breeds.

The committee would report that there were no pigs of other breeds presented to them which answered the condition which required not less than six in a litter, and therefore made no award.

In cases where no mention is made of second and third premiums, they were not awarded by the committee.

CURING BACON WITHOUT SMOKE.

"O, the trouble folks have taken, To smoke and spoil their bacon.

To smoke the best bucon, fat your hogs early and fat them well. By fattening early you make a great saving in food, and well fattened pork. Then kill as early as the weather will allow, and salt as soon as the animal heat is gone, with a plenty of the purest salt, and about halt an ounce of saltpetre to one hundred pounds of pork.

As soon as the meat is salted to your taste, which will generally be in about five weeks, take it out, and if any of it has been covered with brine, let it drain a little. Then take black pepper, finely ground, and dust on the hock end as much as will stick, then hang it up in a good, clean, dry, airy place. If all this is done as it should be, (it ought to be done now,) you will have no further trouble with it, for by fly time in spring, your bacon is so well cured on the outside, that ffies or bugs will not disturb it.

Curing bacon is like the Irishman's mode of making punch. He said :- "put in the sugar, then fill it up with whiskey, and every drop of water you put in after that spoils the punch." Just so with euring bacon, after following the directions given above, every "drop" of smoke you put about it spoils the bacon.—Portage Democrat.

Mixed Diet.—All the Grahamite philosophy in the world cannot contradict, by reason, the assertion, that a mixture of animal and vegetable food is best for man. To supply the daily loss of nitrogen, a healthy, laboring man, if living on bread alone, would require four and a half pounds—if on potatoes, eighteen pounds. This would overload the the stomach with carbon, and producing indiges-

New York, \$15.
One year old and upwards—1st premium to L. G. Morris,
New York, \$20; 2d, C. B. Clark, Concord, Mass., \$10; 3d,
William A. Harris, Newton, diploma.

Nows, two years old and upwards—1st premium, to William
A. Harris, Newton, Topsey, 3d, \$25; 2d, L. G. Morris, New
York, Aunt Cloc, \$15; 3d, C. B. Clark, Concord, Mass., diploma.

One year old and upwards—1st premium to C. B. Clark, Concord, Mass., \$20; 2d, L. G. Morris, New York, Topsey, 2d, \$10;

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One year old and upwards—1st premium to L. G. Morris, New York, Topsey, 2d, \$10;

One year old and upwards—1st pre "engaged in the very poetical work of potato-digging." Several of his productions have appeared in our columns, but we think no one so beautiful as Write on, Mr. Canning,—the name you bear

For the New England Farmer.

INDIAN SUMMER.

BY THE "PEASANT BARD."

Soft falls the hazy light upon The hill-side, plain and vale; The yellow leaves bestrew my path, As down the stream they sail. I note them halting by the brink. And idling as they run, Or dancing o'er the ripples bright That glimmer in the sun.

On yonder woody bank I hear A rustling 'mid the leaves; Borne on the still and hollow air The sound my ear deceives : I deem the heavy-treading kine Are coming down the brae, When nothing but a squirrel light Is skipping there away.

The hunter's distant gun I hear The forest echoes wake : 'Tis pity that such sullen sounds The holy cahn should break! I fancy how with dying throes The harmless quarry bleeds:-How man but little mercy shows, Who so much mercy needs!

A solitary bee a-lield Allured by these bright hours, Flits like a fay before my eyes ;-She'll find no honey-flowers, For they have perished; one by one I marked them fade from view. And nothing but the blackened stalk Appears where late they grew.

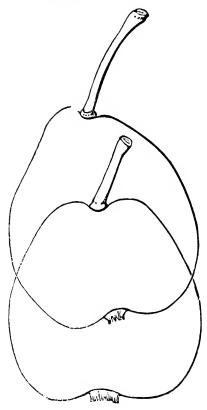
How kind, how pleasant is this sun, When cold the winds have blown! The winds that bear the early frosts Down from the bleaker zone. 'Tis not the burning August sun, Nor that of fierce July , But soft elfulgence lights the earth, And glorifies the sky.

It is the Indian Summer time! So full of placid joy; The dolce far niente that I dreamed of when a boy. And it is like a blissful dream, Like such it soon is past; Too bright to linger with us long, Too beautiful to last.

MADELEINE AND OSBAND PEARS.

The first of these outlines, the Madeleine, is a Origin near Palmyra, N. Y. pear hardly of the medium size, but one of the most refreshing and excellent of the early pears, and Downing says the best at the time of its ripening, which is before the Bloodgood. It takes its name from its being in perfection, in France at the feast of St. Madeleine. The tree is fruitful and vigorous, with long erect olive-colored branches.

Montgomery Co., Penn.



Madeleine, Citron des Carmes. Rather small; pear and quince. Ripen in the house. Foreign.

rich sugary, slightly musky flavor. 10 or 15 to an Indian, which was planted in a suitable soil, but 30 Aug. Popular in Western N. Y. Barry says, they failed to vegetate. The reason of their fail-

"Invariably first-rate." Productive. Does equally well on pear or quince. We find it a good grower.

For the New England Farmer.

WILD RICE.

OR THE ZIZANA AQUATICA, OF PURSH.

BY S. P. FOWLER.

The natural productions of our country, unknown Elliott, in his fruit book, says, our Eastern poseem to have especially attracted their notice, and mologists class this pear as "best," but that the they became very early acquainted with two of our specimens he had tasted have not merited more staple productions—viz; Indian corn and tobacco. than to be "very good." American. Native of At a somewhat later period, there was another indigenous plant, whose discovery by our northern travellers was thought to be important, and the most sanguine expectations were entertained that it would soon take its place among the cultivated cereal grains, and become, as Pinkerton, when speaking of this interesting plant, says, the bread corn of the North. I here allude to the Wild Rice, sometimes called the Canada Rice, Water Oats, Indian Rice, and Minnesota Rice. I will here quote the relation of but one of many northern travellers, to show the high expectations raised by the discovery of this plant. In speaking of the Wild Rice as seen by him one hundred years since, he says,—
"This grain, which grows in the greatest plenty throughout the interior parts of North America, is the most valuable of all the spontaneous productions of that country. In future periods it will be of great service to the infant colonies, as it will afford them a present support, until, in the course of cultivation, other supplies may be produced. We need not inform the reader of this article, that the high expectations, thus early raised in regard to the cultivation of the Wild Rice have not as yet been realized; although of late it has attracted some notice, and it is said, some successful attempts at cultivation have been made. It is found growing in the shallow lakes and streams of Michigan, Wisconsin, Iowa, Minnesota, and in the valley of the upper Mississippi and Missouri. It is gathered in large quantities by the Indians, principally by the females, when ripe, which is in September, in the following manner. They first prepare their canoe by cleaning it, and making it perfectly watertight, and then shove it into the field of rice, bending the stalks in handfuls over the side of the ca-noe, and beat out the rice with paddles." The Wild Rice is found in Massachusetts growing at the edges of our ponds and shallow streams. We have seen it in a brook running into Pleasant Pond in Wenham, in the county of Essex, and in other plalong turbinate; greenish lemon yellow, seldom a ces. The seeds are blackish, and about three-quarbrownish cheek; stem long, stout; ealyx small, ters of an inch long; within, they are white and nearly even with the surface; flesh whitish, melt-farinaceous. It would seem by what has been said ing, juicy, of sweet delicate flavor. 25 July to Au- and written of the valuable properties of the Zizagust 10. Tree very vigorous and productive. The na, that it merits some attention from our farmers, best very early pear, yet it is liable to blight in tree and very little in fruit. Does well both on the Rice is strictly an aquatic plant, we see no reason why it may not be cultivated in an upland soil successfully, as it is well-known that many water plants Osband's Summer Virgalicu. Small will soon accommodate themselves to a comparamedial; obovate; clear yellow, green dots, red tively dry soil, and thrive. Several years since, I check; stem an inch long, stout in a slight cavity; received from one of the western States a quantity calyx large, basin shallow, flesh white, juicy, of a of the Wild Rice seed, which was procured from

ing to come up was probably eaused by the seed leading characteristics of the Monthly Farmer are, having been smoked by the Indians, a process used by them in the curing of this grain. This should agriculture, because it not only contains the general be guarded against, by those procuring seed to plant. One objection to the cultivation of this plant principles of the great Art, but because it is made might be the deciduous habit of this grain, as it up from the latest experiences of practical men upon drops into the water as soon as ripe. To prevent the soils in our own localities. this waste when cultivated in the water, a lesson might be learned from the Indians, who are in the habit about the time that it begins to turn from its milky state and to ripen, to run their canoes into the library when bound. The binding, in muslin, the midst of it, and tying bunches of it together, with gilt back and handsomely lettered, will cost just below the ears, with bark, leave it in this situ- but twenty-five cents. ation three or four weeks longer, till it is perfectly ripe. Cultivation might change this habit of dropping its seeds, or the stalks, of the plant could be cut up before it was ripe.

According to Loudon, the Wild Rice has been introduced into England, and grows, as with us, 4. The absence of long catalogues of premiums around ponds and streams of water. In the pres- and programmes, which are only of temporary inent high prices of all cereal grains, it would seem very important and desirable that we should introduce the Zizana into cultivation, and thus realize the high anticipations of those, who have preceded us. There is another plant which merits attention from our farmers, viz. the Mountain Rice, oryzopsis ent time. asperifolia of Michaux. It is found in Massachusetts, in the interior of the State, but has not been seen to our knowledge on the seaboard. The seeds are white, about as long as rice, and farinaceous. Mr. Pursh says, I observed this grass on the broad ing in the various arts and sciences, and particularly mountains of Pennsylvania, and consider it worth in chemistry, in its relations to agriculture. the attention of farmers as the considerable large

In closing this article I would remark, we have much to expect from the cultivation of any native plant, capable of bearing a valuable grain, by its being perfectly adapted to our climates, and its comparative exemption from diseases incident to the cereal grains of foreign origin. And while the wheat, rye, barley, &c., natives of other countries, are diseased and infested with insects, our Indian corn, a native of America, being at home, delights in our bright sun, and dry atmosphere, and is one than doubled during the last year! of the most healthy plants we cultivate, and remarkably free from blight and diseases.

Danvers-port, Oct. 12, 1855.

THE MONTHLY FARMER

It is well known to our readers, that we publish a Weekly and Monthly edition of the New England truly great man. Aye, and is the most distinguished Farmer. The Weekly is in the common newspaper man among his fellow-creatures and his God-who form, printed upon fine, white paper, and on new type. Its first page is always made up of agricultural reading, and the other three pages, of war, po- work not, neither shall he eat." An idler is a cumlitical, religious, mercantile, mechanical, manufactur- herer of the ground, a weariness and a curse to himing and miscellaneous intelligence—together with self, as well as to those around him. the prices current, carefully corrected, and a few advertisements. This part of the paper is conducted, solely, by William Simonds, Esq., a gentleman of ineffaceable signet, and then you will only see indusability, and possessing great experience as a jour-try standing by her side. nalist. He resides in the country, but has his business office in Boston.

the first page of the weekly paper. Some of the tiles. - Cornish Banner.

2. The elegant manner and convenient form in which it is printed; making a handsome volume for

3. The expensive engravings which illustrate the stock, plants, fruits, elimbers, flowers, machines, buildings and fences, which are described in its columns.

5. Its articles spring from leading principles in the art of agriculture, and will, therefore, be as valuable to the inquirer any future year, as at the pres-

6. Its writers are nearly all men of practical acquaintance with the business of the farmer.

7. Some of its writers are men of profound learn-

8. The matter which has been collected and printseeds contain the finest flour of any grain I know. ed with so much care, is easily made available by a full and accurate index to the articles and illustrations and names of correspondents; so that any principle which has been discussed, or any fact recorded, may be referred to without loss of time.

> These are some of the points which are prominent in the Monthly Farmer, and which we know have been appreciated, for its circulation has more

WORK, WORK!

I have seen and heard of people who thought it beneath them to work—to employ themselves industriously in some useful labor. Beneath them to work! Why, work is the motto of life; and he who accomplishes the most by his industry is the most so forgets the great blessings of life, as to allow his energies to stagnate in activity and uselessness, had better die; for, says the Holy Writ, "He that will

Beneath human beings to work! Look in the artist's studio, the poet's garret, where the genius of Immortality stands ready to seal his works with her

Beneath human beings to work! What but work has tilled our fields, clothed our bodies, built our The Monthly Farmer is in Book form, and is made up each month from the agricultural matter on salvation," says the inspired Apostle to the Gentlemann of the control of the For the New England Farmer.

LITTLE THINGS:

OR A WALK IN MY GARDEN.....No. 5.

While gathering a few straggling onions from a large bed sown in the spring, I was led to inquire what can be done to get rid of the onion maggot. It is but seldom that a crop can be obtained in this vicinity. I tried one experiment of digging the earth entirely away from the bulb and allowing the stock to lie on the ground till the ravages of the worm were over. The hot sun was too much for them. But this is a tedious process. When a boy, I remember of seeing a succession of bountiful crops of onions raised on a bed where charcoal had been made. I want to wander a few moments from the garden to say a word respecting

CHARCOAL AS A MANURE.

The value of charcoal, in most cases, is usually set visited this valley in company with Messrs. Ayres too high, at the expense of other substances. The old and Millard, two gentlemen belonging in San Franmethod of piling together twenty or thirty cords of cisco, and Mr. Stair, of Coulterville. Assuming hard wood, and covering it with turf and trenching the that these gentlemen are known to the editors of ground all around, not only furnishes charcoal, but the Mariposa Gazette, and that the account is what is of more value, an abundance of potash, soda, therefore reliable, we cannot but regard with wonlime and phosphorus. Hence, great crops of wheat der and admiration the scenery described. The may be raised under such circumstances. A recent party appears to have started from an Indian vilcorrespondent of the Farmer tells us how to burn up lage on the Fresno with two Indian guides, and the pine stumps on the ground. I will tell him of a writer says :method I once practised, from an article which I read in my boyhood from the old N. E. Farmer, north course up the divide between the Fresno and which was, to dig a hole under the body of the Chowchillah valleys; thence, descending toward stump and let it dry, put in some small wood, and the south fork of the Merced river and winding before the fall rains bank it up as a coal pit, and set around a very rocky point, we climbed nearly to the it on fire. It would coal out the body of the stump ridge of the middle or main fork of the Merced, and render it easy to remove the roots. We always and, descending toward the Yo-Semity valley, came expected to raise huge potatoes on these spots.

AN EVERGREEN HEDGE.

Thousands of evergreens perish for want of a little and sublime grandeur. knowledge in their management. The safest way eessary, and at a distance of a foot or more from dred feet. the trunk; let one person take hold of the trunk take off the turf and lay it one side, and then dig danced in space! deep enough to set one tree, dig up the earth from Passing further up the valley, we were struck the spot where the next tree is to be planted and with the awful grandeur of the immense mountains Evergreens will do better planted in grass land, or gular and surmounted by pines. in the shade of other trees, where the intense heat of the sun is absorbed. It is almost impossible to the valley, turned a point, and before us was an inwhite house, or on a very dusty street.

Persons from Massachusetts who wish for such trees, should send to some friend in Maine and request them to put them up in hogsheads, dug up in the way I have proposed, and they will nearly all live. Fifty trees, perhaps, might be packed in a hogshead at a trifling expense, and transported to any part of the State perfectly fresh. In regard to the time of transplanting, late in the fall, or early in the spring, are the only safe seasons. Planting them in clumps, so that they will shade each other, will ensure more complete success. The effect is more pleasing as an ornament than from a straight hedge.

Bethel, Me., Nov. 1, 1855.

VALLEY OF THE YO-SEMITY.

AND ITS STUPENDOUS WATERFALLS.

The Mariposa (California) Gazette has published a communication from a Mr. J. M. Hutchings, who

"From Mr. Hunt's store we kept an east-ofupon a high point clear of trees, whence we had Returning to the garden, I find myself looking at our first view of this singular and romantic valley; and as the scene opened in full view before us, we were almost speechless with admiration at its wild

"On the north side stands a bold perpendicular is to transplant, from an open pasture, trees not mountain of granite, shaped like an immense tow-more than two feet in height. My method is this; cr. Its lofty top is covered with great pines that, I take an old axe which I am not afraid to strike in the distance, seem like shrubs. Our Indian into the ground, and cut a circle round the tree, guides called this the Capitan.' It measures from striking two or three times in the same place if ne-the valley to its summit two thousand eight hun-

"Just opposite this, on the south side of the valclose to the ground, and another higher up, and ley, our attention was attracted by a magnificent remove earth and all. An evergreen is worth waterfall about seven hundred feet in height. It nothing after the earth is removed. With two looked like a long broad feather of silver depending boys, I have in this way dug and carried in a cart over a precipice; and, as this feathery tail of leapthree-fourths of a mile, seventy-five trees, and ing spray thus hung, a slight breeze moved it from transplanted them in one half-day; and all but two side to side, and, as the last rays of the setting sun or three lived, and grew about as well the first were tinging it with rainbow hues, the red would summer as if they had not been removed. There mix with the purple, and the purple with the yelis a little secret to be learned in setting out a low, and the yellow with the green, and the green hedge. Instead of making a long trench first, I with the silvery sheen of its whitened foam as it

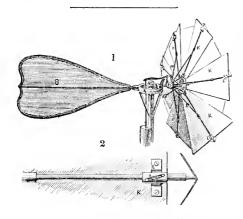
use it to cover the roots of the preceding one. In on either side, some perpendicular, and some a little this way there is no loss of earth in the grass, and sloping. One looks like a light-house, another like you have ready access to every part of the tree, a giant capital of immense dimensions; all are sin-

"We crossed the river, and, still advancing up make an evergreen live on the summy side of a describable sight—a waterfall two thousand two hundred feet in height, the highest in the world.

It rushes over the cliffs, and, with one bold leap, direction, and the same slot and pin turn them more of five hundred feet, then a third of over five hundred feet; the three leaps making two thousand two hundred feet.

and looking at the tall pines below, the great height of these falls can at a glance be comprehended.

"About ten miles from the lower end of the valley there is another fall of not less than fifteen hundred feet. This, with smaller falls and a lake, mark the head of the Yo-Semity valley, which is, may be used, and will operate very satisfactorily, therefore, about ten miles in length and from a half to thrash and clean all kinds of grain, to shell corn, to one mile in width. Although there is good land enough for several farms, it cannot be considered upon the whole as a good farming valley; but speckled trout, grouse and pigeons are plentiful."



THE VERMONT WIND-MILL.

spreads a wide sail to surface to a heavy one. An accelerated motion is and winter. checked by the action by the mill itself as readily Watt's centrifugul governor.

erence to the engraving. The radical feature in which this machine differs from others is simply or weight immediately draws the fans in an opposite sily reduced to an impalpable powder by means of a

falls one thousand two hundred feet, then a second to the wind, always adjusting itself to the necessities of the occasion.

FARMERS and others in want of a cheap motive "Standing upon the opposite side of the valley power, should look to the inducements offered of putting up wind-mills upon their farms or premises. It may be used very economically to pump water for irrigating or draining land, watering cattle, or for household purposes to the tops of houses. It and grind wheat, rye, corn, or any other thing to be ground, cut, or mashed, such as apples, roots, vegetables, etc. It is particularly adapted to churning, working butter, washing, turning grindstones, sawing wood, cutting straw, and stalks, or fodder. It will bore and mortise timber, drive small saw-mills, lath-machines, turning-lathes, etc. etc., and if you wish, it will ventilate your house exceedingly well. It will not plow, harrow, cultivate, or mow, but any work which can be brought to it may be performed; and it will perform readily, without waiting to be caught, fed, or harnessed. The only food these mills require is about one gallon of oil a year.

They do not require as much nursing and attention as horses or oxen, one coat of paint will keep them clean and beautiful a year or more. The attachments used to connect them to different machines, so as to do different kinds of work, cost less than the harness and equipage of horses, and will last more than twice as long. The expense for repairs is much less than that for the shoeing and INVENTED BY A. P. BROWN, OF BRATTLEBORO', VI. preparing of teams for labor. The same amount of The advantage of using wind in preference to power costs less, and the wind power will not die. horse or steam-power has not been duly appreciated Wind-mills will work by might as well as by day, by farmers and mechanics. All the difficulties in and will run steadily without a driver. They are using wind-power to advantage are overcome in the generally ready to work the greatest number of mill above represented. It is ingenious, simple, and hours when their work is most needed, viz., in the a most perfect regulator of its own motion. It fall, winter, and spring. They do not regard the light breeze, and a small ten-hour system, but work early and late, summer

Any particular information concerning these mills as the steam-engine is checked by the action of may be obtained of Fowler and Wells, 308 Broadway, New York, who are manufacturing ten Its construction will be readily understood by ref-different sizes, ranging from \$35 to \$350 each.

Granite Dust, a Rich Land Manure.—While this: it governs the obliquity of its own fans, k, to at Northbridge, Mass. on Wednesday of last week, the wind by means of the centrifugal force of those examining the granite quarries at that place, I had fans. Each is furnished with a helical or spiral slot a conversation with the workmen, engaged in dressand pin, made fast in the arm, as seen at i, fig. 2. ing out that stone, and inquired of them in refer-In case of acceleration, the tendency of the fans is when thrown on the ground. They informed me to overcome a suitable coiled spring, or a weighted that its effect upon grass was astonishing, and that lever, and to move farther out on their respective it has been used in gardens with great success. This arms, and in so doing the spiral groove, or slot, is a very important fact in agricultural science. Sides on the pin and turns the fan more and more and the follows contains about fourte, and the follows contains about fourtes. single on the pin and turns the ian more and more and the felspar contains about fourteen per cent. of edgewise to the wind, presenting less surface. When the valority of the wheel is distributed the wind potash. In my researches in New Hampshire I the velocity of the wheel is diminished, the spring found a very great abundance of felspar. It is eaportable iron mill, such as is made by Mr. Bogard-one public establishments for agricultural education, as of New York. The cost will be triffing. The not to mention others of a kindred nature, or those discovery, if carried into operation to the extent private schools where the art and science of good that it may be, may make New Hampshire one of farming are taught. the richest agricultural States in the Union, and 1 Prussia is a monarchy, with fifteen millions of take great pleasure in making it public.—Ports-people. New York is a republic, with three milmouth Journal.

NEW BOOKS.

Lowell: a new edition, with an additional chapter on the art of arts. New York has not one; and the "bones, superphosphate of lime, and its preparation." We have often spoken of this work as of importance to all who cultivate the soil.

The general subjects discussed are—Geology of bune. soil; chemical constitution of rocks and soils; the elements of soil, their properties and chemical action; the organic constituents of soil; the mutual action of the organic and inorganic elements of soil; manure; artificial manures and irrigation; physical the milk-producing qualities of green corn have been properties of soil, and bones; superphosphate of called in question, by one at least, who seems to lime, and its preparation. Price \$1,00.

The Rabbit Fancier, by C. N. Bement, Albany. This is a treatise upon the breeding, rearing, feeding, and general management of Rabbits; with remarks upon their diseases and remedies. An admirable way to interest children is to supply them with a pair of these pretty animals, where the situation will allow of their being kept, and then they will need the Rabbit Fancier to teach them the true course of management. Handsomely illustrated. Price 50 cents.

The Vine-Dresser's Manual, by Charles Ree-Merlin, of Ohio. This work, of 103 pages, gives minute directions for the choice of location and soil, preparation of the ground, kind of grapes to cultiand wine-making. Price 50 cents.

The Stable Book, by John W. Stewart, veterinary surgeon, Glasgow, with notes and additions, lustrated with twenty-three engravings. An excellent work for any who use the horse. Price \$1,00.

All these works are issued by SAXTON & Co., Ag-& Co., and Ruggles, Nourse, Mason & Co., Boston | years of experience.

of Prussia there are five Agricultural Colleges, and ously to going to pasture, as they would so far ina sixth is about to be opened; in these are taught jure the animals' appetite for grass, that instead of by both theory and practice, the highest branches feeding as they otherwise would, on more nutritious of science connected with the culture and improve-food, they would go and lie much of the day in the ment of the soil; of Agricultural schools of a more shade. elementary order, there are ten; there are also seven schools devoted to instruction in the culture ing corresponding support, I cannot say, but am inof flax; two specially devoted to instruction in the clined to that belief. In its various stages of management of meadow lands; one for instruction growth, from that of the tender plant, to the fully in the management of sheep: and there are also grown stalk, green corn—other things being equal, forty-five model farms, intended to serve in intro-

lions, and a territory, which, though not quite half as large, is richer and better situated, with means of transportation incomparably superior. Prussia has seventy-one public establishments to instruct The Muck Manual, by Samuel L. Dana, of her people in farming, the science of sciences, and proposition to establish a single Agricultural College has again and again been voted down in her Legislature. Ought so shameful a contrast to exist between that monarchy and this republic.—Tri-

For the New England Farmer.

GREEN CORN FOR SOILING.

In the October number of the Farmer, I find that have had opportunity of testing their value for such a purpose, and that you, Mr. Editor, like the "rest of mankind," are quite confident in your opinion respecting the utility of raising and feeding it for the purpose above mentioned. Your opinion, so far as my knowledge extends, coincides with that of nearly all who have written upon the subject. Our agricultural papers, our patent office reports, together with the oral testimony of many excellent practical farmers, furnish a mass of evidence in favor of using green corn for mileh cows, to which individual experience, of an opposite character, can oppose but little weight or influence. And yet I must say, that, so far as my own experience goes, I have found this kind of feed to fall far short of the expectation which its numerous commendations would strictly justify, and have sometimes been inclined to regard it, for producing milk, as almost worthless, and even invate, trellis work, trimming, gathering, manuring, jurious. That it contains some nutriment, and that cattle may subsist better with than without it, along with a moderate supply of other food, or that it is better, under certain circumstances, than nothing, I do not doubt; but for working cattle, horses, or adapting it to American food and climate, by A. B. milch cows, when given in a crude state, I do think Allen, Editor of the American Agriculturist. Il- it a very poor substitute for good hay or grass. So far as appearances go, very few kinds of food would seem better adapted to produce an abundant flow of milk than this, and such I have expected, in accordance with opinions so generally and confidently exricultural publishers, N. Y. They are handsomely pressed, would be the result in my own practice; a printed and bound, and for sale by S. R. Whipple result which I have never yet reached, with several

An acquaintance of mine, and a careful observer of the habits of cattle, once told me that green stalks Instruction in Agriculture.—In the kingdom should never be fed to cows in the morning, previ-

Whether it does satisfy the appetite, without yielddueing better modes of agriculture; in all, seventy-leighty-four to ninety-four per cent. of water. It con-

tains as great a per centage of water when nearly to be doing well during all this time. full grown, as at any other time; and of course as playful and lively, and their hair was bright, but little solid or nutritious matter as at any other time, when put to doing the spring work of the farm, they unless the saccharine juice with which it is charged were greatly deficient in strength and durability. possesses that quality, which is quite improbable. Were this juice extracted and fed to the animal part, hoping that a further and more careful examalone, it would, doubtless, pine away and die. Nor ination of the subject, by practical men, may lead to can it be expected that the small amount of solid, more reliable and satisfactory results. It is very say six to ten per cent, that is consumed along with important that something of abundant and rapid it, will of itself be sufficient to counteract the dele-growth should be available as a substitute for the terious effects of so large a share of juice, and at the ordinary supply of feed in case of drought, but I apsame time, keep the animal in a healthy and thriv-prehend that those who may depend almost entirely ing condition.

At the commencement of feeding stalks, cows will not generally eat much of them, unless they are partly cured, which goes, I think, to show, that the juice which they contain is not, at the time,

highly relished by them.

Three years ago I fed seven cows quite liberally, was to feed in the morning, as it was the only convenient time of doing it, and to seatter the stalks over a portion of an adjoining pasture on which they had not of late been fed, so as to give them as clean a place for eating as possible, taking care to give them much more than they would immediately the course of the day. I could not perceive that the stalks made much if any difference in the quantity of milk produced, but the cows continued to give less and less about as the grass failed them, although they continued to consume a proportionably larger amount of stalks. I have this fall made another trial of this kind of feed, and with results less flattering than before. For several weeks I could not conveniently furnish my cows with any but the poorest pasturage, but attempted to make up this defiat night and morning.

But they did not thrive or even hold their own on this kind of keeping, but began to appear gaunt, were dissatisfied with their condition, which they manifested by being cross and ill-natured towards each other, and by a disposition to roam abroad, whenever an opportunity was presented, in quest of regular contributions from the able pen of Prof. something more satisfying. And worse than all, NASH, of Amherst. Each of the Editors will resome five or six of the seven cows thus treated, commenced witholding their milk entirely for half the time or more, so that I feared that all, a new milch cow included, would become entirely dry before I could give them a change of feed. Finally I began to practice reform; gave them yellow pumpkins, carrots, cabbages and good rowen feed; but they have not yet, after the lapse of a month, recovered from the effects of dieting on green corn! I once kept a horse for a few days on the same kind the harness with stout and cheerful hearts for the of food, with the ordinary supply of grain, but as it seemed not to be doing well, I soon discontinued it. The horse drank but very little water during the time it was thus kept, refusing it, some days, entire-

If the cows were, in like manner, affected by the stalks, as is highly probable, that may account, in part, for their drying. I have, in a few instances, army consists of about 10,000 men, and costs fed ears of corn with the stalks as they were culti- \$8,525,240 a year. All the result is, a few ragged vated for a field crop, so as to produce an increase uniforms, dismantled forts, rusty guns, and still of milk. I would advise those who may have stalks more ragged and rusty characters called veterans. to feed, whether green or dry, not to feed them entirely alone, but with other kinds of feed. Some number of men who, receive from the company, years since, I fed a yoke of oxen entirely on stalks \$3,700,000 per annum, and make over one hundred nearly, or quite through the winter. They appeared miles of railroad each year.

Thus I have given you, briefly, my experience in on green corn for such a purpose, are destined to C. Blakely. meet with disappointment.

Bristol, Ct.

PROSPECTS.

If an increase of business is an evidence of Sucfor a month or more, on green stalks. My custom cess, we are abundantly assured that our efforts to furnish to the farmer the materials for more thorough and efficient operations upon his lands, and thereby to increase his annual profits, have not failed of their object. New friends have come to us from every quarter, both as subscribers and conconsume, which they would generally finish off in tributors. The list of the Monthly Farmer has more than doubled during the past year, while large additions have been made to the Weekly, so that we have the prospect of starting on the new year with a combined edition of some Twenty-four Thousand copies. This will enable us to earry out designs long contemplated, of furnishing more and better engravings, and in various ways, of giving the paper a greater value. We have recently expended seveiency by feeding them what stalks they would eat eral hundred dollars for designs and engravings, which will be given from time to time, and which, while they will elegantly illustrate the work, will also add to its practical character.

We have no important changes to announce, with the exception, perhaps, that we may obtain main at his post, and devote himself to the appropriate duties of his charge, while our numerous and able correspondents will faithfully contribute to the common weal of all.

Such are the encouraging prospects for the year 1856. We have bowed out the Old Year with such grace as we could command, and have buckled on labors of the New. It is but a matter of "changing" work" between us, after all. So let us go at it with a will, and make this year what we shall wish it may have been when we have got through it.

WAR AND AGRICULTURE.—The United States

The Illinois central railroad has about the same

"THE LITTLE BUSY BEE."

its and Instincts of Bees," delivered before the ence and neglect, and who, instead of striving with Philadelphia Spring Garden Institute, during the loving zeal to lighten their labors and save their steps, early part of December, 1854, by the Rev. L. L. treat them more as though they were servants hired LANGSTROTH, of Greenfield, Mass. Mr. L. is the author of a most interesting work on Bees, from the outen is taken from the base green.

If the outen is taken from the base green. which we have occasionally quoted. We do not be- they ascertain their loss, the whole colony is thrown lieve that the Curators of our Lyeeums could offer into a state of the most intense agitation; all the a more attractive and pleasing subject to their au- labors of the hive are at once abandoned; the bees diences than one or two lectures from Mr. L. on whole of them rush forth from the hive in anxious at the same time the fascination of a well-wrought to their now desolate home, by their mournful tones novel; and his lectures, delivered in an easy, con- they manifest the deepest sense of their deplorable versational style, would not fail to be gratifying to calamity. Their note at such times is of a peculiarany class of hearers.

colony. In a solitary state, a single bee would be ed by an anxious mother with its joyous crowings, almost as helpless as a new-born child, and would when overflowing with health and happiness. Even be found filled with honey and bee-bread, while vast choly place that they enter it only with reluctant numbers contain eggs and immature young—a few and slow moving steps. cells of unusual size and shape being devoted to the rearing of the young queens.

whole colony. She reigns, therefore, most unquestionably, by a divine right, as every good mother is, the proper disposition of some two or three thought at least ought to be, in the bosom of her own sand eggs. It is very true that the drones family. The fertility of the queen bee is very great. She will often lay as many as three thousand

eggs in a single day.

As the common bees never attain the age of a sin- But then, as a penalty for this exemption from gle year, a constant succession of young bees must labor, at the close of the summer they are all ignobe added to the hive; and therefore, no colony can miniously put to death. long exist without the presence of this important Bees sometimes act the part of highway robbers: they gather around her. If she wishes to travel recesses of his honey bag, over the combs, they not only make way for her, They, therefore, begin to bite and tease him after seem intent on doing all that they can to promote his ears, not your money, but "your honey or your

her comfort and happiness. How ought such a beautiful example to put to the blush those unduti-The following is a part of a lecture on the "Hab-ful children who treat their mothers with irrever-

this topic. His work, while highly instructive, has search for their beloved mother. When they return ly sorrowful character; sounding something like a succession of wailings on the minor key, and can no The honey bee belongs to the class of insects more be mistaken by the experienced apiarian or which live in a perfect community; indeed, bees can bee manager for their ordinary happy hum, than flourish only when associated in large numbers as a the pitcous moanings of a sick child can be confoundbe unable to endure even the ordinary chill of an after the bees have recovered from their first disautumnal night. If a family of bees is examined traction of grief, they plainly manifest that some before it sends off a new colony in the spring, three overwhelming calamity has befallen them. Often different kinds of bees will be found in the hive:— those that have visited the fields, instead of enter1. One bee of peculiar shape, commonly called the ing the hive with that dispatchful haste so characqueen bec. 2. A number of large bees, called teristic of a bee returning to a happy home, linger drones. 3. Many thousands of a smaller kind, about the entrance with a dissatisfied look. Their called workers, and similar to those which are seen home, like that of a man who is cursed rather than on the blossoms. A large number of the cells will blessed in his domestic relations, is such a melan-

The defence of the colony against numerous enemies, the construction of the combs, the providing The queen bee is the only perfect female in the of stores, the rearing of the young, and in short, hive, and all the eggs are laid by her. The drones the whole work of the hive-the laying of eggs exare the males, and so imperfectly developed that cepted—is carried on by the industrious workers, they are incapable of laying eggs, and retain the There may be gentlemen of leisure in the commoninstinct only so far as to give the most devoted at—wealth of bees; but most assuredly, there are no tention to feeding and rearing the young. The such ladies, either of high or low degree. The queen-bee or, as she ought more properly to be queen herself has her full share of duties; for it called, the mother bee, is the common mother of the must be admitted that the royal office is no sinecure,

> "On others' toils in pampered leisure thrive, The lazy fathers of the industrious hive."

insect. She is as absolutely necessary to its welfare a number of them will waylay and attack a humble as the soul is to the body. The queen bee is treat-bee, which like an honest trader jogging home with ed by the bees as every mother ought to be by her a well-filled purse, is returning with a sack full of children, with the most unbounded respect and honey to his nest. They seize the poor fellow and affection. A circle of her loving offspring constantly give him at once to understand that they are detersurrounds her, testifying in different ways their du-mined to have his hard-carned sweets. They do tiful regard-offering her honey from time to time, not kill him, for they are much too selfish to enmost affectionately embracing her with their antendanger their own precious persons; and even if næ, and earefully smoothing her beautiful plumage. It have a loss which is always fatal—they would still given an exact representation of the attitude in which be unable to extract his treasures from the deep

but most politely back out of her presence, and ever the most approved fashion, all the time singing in

life," till utterly worn out, he delivers up his purse seeming evils. If the sun is obscured, wild winds by disgorging his honey from its spacious receptacle. The graceless creatures release him at once, while how these increase the comforts of the warm hearth, they lick up his spoil and carry off to their homes.

THE CLOSE OF THE YEAR.

Another of the distinctly marked periods of our existence has now passed away—another of those twelvemonth circles, so filled with alternating hope be able to declare with the poetand fear, and joy, and sorrow, and so diversified in the cares and duties which it has presented as it rolled along, is now numbered with those which have for ages successively gone before it. Many may be converted into so many sources of pleasure who kindly listened to our suggestions at the close to us; and if we attend to her procedure it will be of the last year, can listen now no longer; the ear found that her most common things and appearis dull, the tongue dumb; the eye hath lost its fire, ances are the most agreeable. So that by contrast, the hand its power. Their Spring, and Summer, and by investigation, we shall always find enjoyand Autumn, and Winter, have come to them, and ment in the world about us. passed, and they are numbered with that great congregation, which has been called to an existence, and brought us to the close of those Months, where times and seasons are not known. Such is through which we have travelled so peacefully and the fiat of Him who has called us and all this great profitably together. We trust the recollections world into existence, and who knows all our emo- of them will be pleasant to all, and that they will tions, and without whose knowledge a sparrow, even, inspire us to future usefulness in the new duties cannot fall to the ground.

He has ordered all things aright, and acquiescence the new year. in His will becomes us all. "Though, at the approach of winter, the country is desolate, and Fifty-five. Though thou didst bring gray hairs stripped of its most beautiful ornaments, it still presents, to a properly organized mind, the image of happiness. We may say with gratitude, Here we have seen the corn grow, and these dry fields crowned with an abundant harvest; and notwithstanding the orchards and gardens are now deserted, the remembrance of the presents we have received from them, inspires us with joy, though we are exposed to the influence of the north wind."

atic of our condition in life. The Spring is full of and produce indigestion and dyspepsia. A gentle-Hope—Summer of Activity—Autumn of Fruition, man sits down to dimer, and partakes of a multi-and Winter of calm Contentment, and contempla-tude of dishes, each seemingly prepared for the tion of a Year or a Life well-spent. "The fruit trees have now shed their leaves; the snows or rains fall to work to agitate the heap, and put it through the in heavy showers; the roads are impaired, and process of digestion. The gentleman then starts walking abroad is almost impracticable. The man for home and sees some seductive looking apples who has no resources in himself murmurs at this change; but the considerate, thinking man contemplates it with satisfaction. The core leaves and down. "Halloo!" says the stomach, looking up in plates it with satisfaction. The sere leaves and alarm, "what are you about there? withered grass, moistened by the autumnal rains, work than I can attend to already." form a rich manure to fertilize the land. This con-monstrance is in vain, and with a gripe or two, the sideration, and the sweet expectation of Spring, naturally ought to excite our gratitude for the tender cares of our Creator, and inspire us with a perfect confidence in Him. Whilst the carth hes lost feet confidence in Him. Whilst the earth has lost lowered into the stomach like bales of cotton into its beauty and external charms, and is exposed to the hold of a Mississippi steamer, until the organ,

sweep the earth, and gloom rests upon the hills, the cheerful fire, the gathered household, and all the dear delights of domestic love! He who has faithfully discharged the duties of the fleeting year, whose mind is established on the principles of truth, will not find the winter one of discontent, but will

> "My minde to me a kingdom is, Such perfect joy therein I finde."

All the phenomena of nature, with such a mind,

Gracefully and gently has waned the dying year, which will cluster around us, with the in-coming of

Farewell, then, Year Eighteen Hundred and to some,—to youth some sorrows,—to manhood some sharp trials,—and to all, didst mingle some bitterness with the sweet cup of life, yet we will cherish thee as a period of great practical improvement,—a period of success to the tiller of the so and we trust of progress towards higher and holier purposes in all.

Causes of Indigestion .- Doctor Wieting, when lecturing at the Brooklyn Institute, lately, described Nearly all the duties of the Farmer are emblem-the manner in which persons destroy their stomachs, I have more However, rethe murmurs of those it has nourished and delighted, it has commenced its labors anew, and is busily employed in secret working for future good."

There are rich conversion of those it has nourished and deleaves the mass to indigestion, dyspepsia, and its train of accompanying evils. Thus the harmony of the system is destroyed, which might have been There are rich compensations, then, for these prevented by a little prudence and self-denial.









